MILITARY CONSTRUCTION APPROPRIATIONS FOR 1987

HEARINGS

BEFORE A

SUBCOMMITTEE OF THE
COMMITTEE ON APPROPRIATIONS
HOUSE OF REPRESENTATIVES

NINETY-NINTH CONGRESS

SECOND SESSION

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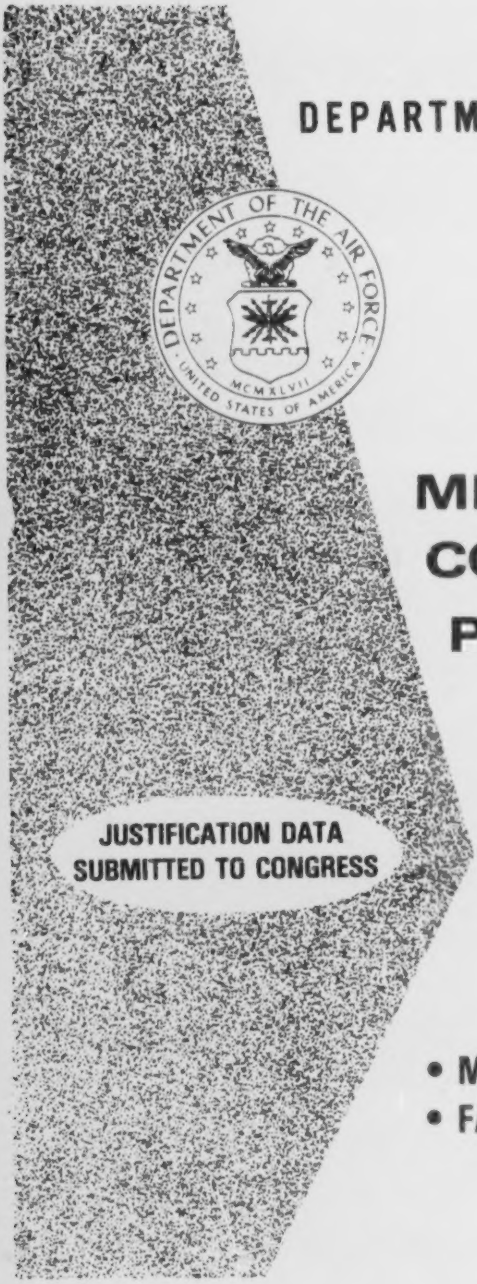

JUSTIFICATION DATA
SUBMITTED TO CONGRESS

MILITARY CONSTRUCTION PROGRAM

FY 1987

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- FAMILY HOUSING

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Classified Military Construction Projects Justifications

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1987

	($000) AUTHORIZATION FOR APPROP	($000) APPROPRIATION
MILITARY CONSTRUCTION		
Inside the United States	1,025,732	1,080,132
(Access Roads)	(32,700)	(32,700)
Outside the United States	533,828	549,808
Unspecified Minor Construction	16,000	16,000
Planning and Design	127,260	127,260
TOTAL MILITARY CONSTRUCTION	1,702,820	1,773,200
FAMILY HOUSING		
New Construction	43,356	43,356
Improvements	58,644	58,644
Planning and Design	7,000	7,000
Operations and Maintenance	664,268	664,268
Domestic Leasing	5,600	5,600
Foreign Leasing	74,176	74,176
Principal Payment	6,909	6,909
Interest/Mortgage Insurance	456	456
TOTAL FAMILY HOUSING	860,409	860,409
GRAND TOTAL AIR FORCE:	2,563,279	2,633,609

Project authorization only
being requested for an additional
$10 Million for
Energy, Various Locations.
Authorization for appropriation
not being requested

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STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH. AMOUNT	APPR. AMOUNT	% DES	PAGE
ALABAMA	GUNTER AFB				155
	ALTER ELECTRICAL DISTRIBUTION SYSTEM	2,900	2,900	50	156
	* BASE TOTAL:	2,900	2,900		
	MAXWELL AFB				158
	SQ OFFICERS SCHOOL-LEADERSHIP DEVELOPMENT COMPLEX	0	1,800	100	159
	ADD TO AND ALTER ACADEMIC FACILITY (ACSC)	1,700	1,700	40	162
	VEHICLE MAINTENANCE COMPLEX	3,100	3,100	40	165
	CHAPEL ANNEX	510	510	50	1075
	* BASE TOTAL:	5,310	7,110		
	** STATE/COUNTRY TOTAL:	8,210	10,010		
ALASKA	EIELSON AFB				168
	HAZARDOUS MATERIALS STORAGE	3,450	3,450	60	170
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,800	2,800	90	172
	DINING HALL	5,700	5,700	35	174
	LIBRARY	2,500	2,500	35	176
	FIRE PROTECTION - FLIGHTLINE	2,150	2,150	35	178
	LOOP ACCESS ROAD	3,200	3,200	35	180
	SECURITY FENCE	990	990	95	1075
	* BASE TOTAL:	20,790	20,790		
	ELMENDORF AFB				182
	SECURITY POLICE FACILITY	5,000	5,000	35	183
	BATTERY SHOP	1,500	1,500	35	185
	ALTER ELECTRICAL DISTRIBUTION SYSTEM	1,670	1,670	100	187
	* BASE TOTAL:	8,170	8,170		
	GALENA APT				189
	UNACCOMPANIED PERSONNEL HOUSING	7,600	7,600	35	190
	ADD TO AND ALTER POWER PLANT	4,000	4,000	85	192
	* BASE TOTAL:	11,600	11,600		

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ALASKA (CON'T)	KING SALMON APT				194
	UNACCOMPANIED OFFICER PERSONNEL HOUSING	4,050	4,050	35	195
	* BASE TOTAL:	4,050	4,050		
	SHEMYA AFB				197
	SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	2,600	2,600	50	198
	DIESEL STORAGE TANKS	15,500	15,500	35	200
	ADD TO AND ALTER WATER SYSTEM-PHASE I	4,200	4,200	35	202
	* BASE TOTAL:	22,300	22,300		
	** STATE/COUNTRY TOTAL:	66,910	66,910		
ARIZONA	DAVIS-MONTHAN AFB				535
	AIRCRAFT PROCESSING APRON (MASDC)	3,400	3,400	95	536
	CONTROL TOWER	2,400	2,400	100	539
	GLCM-CONSOLIDATED STORAGE	1,900	1,900	90	541
	BASE CIVIL ENGINEER ADMINISTRATIVE FACILITY	2,600	2,600	90	543
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5,300	5,300	35	545
	ECIP-ALTER HEAT/VENTILATION/ AIR CONDITIONING	230	230	100	1067
	* BASE TOTAL:	15,830	15,830		
	HOLBROOK RADAR SITE				369
	STR SITE-PURCHASE UNACCOMP ENLIST PERSONNEL HOUSING/LAND ACQ	630	630	100	1075
	* BASE TOTAL:	630	630		
	LUKE AFB				594
	JP-4 VAPOR INCINERATION SYSTEM	1,350	1,350	50	595
	NONDESTRUCTIVE INSPECTION FACILITY	740	740	80	1076
	SMALL AIRCRAFT MAINTENANCE DOCKS	6,380	6,380	80	597
	MEDICAL WAR RESERVE MATERIAL FACILITY	720	720	85	1077

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ARIZONA (CON'T)	F-16-WING HEADQUARTERS FACILITY	0	1,350	95	599
	* BASE TOTAL:	9,190	10,540		
	WILLIAMS AFB				150
	FLIGHT SIMULATOR RESEARCH FACILITY	4,900	4,900	55	151
	CONSOLIDATED SUPPORT FACILITY	3,800	3,800	60	152
	* BASE TOTAL:	8,700	8,700		
	** STATE/COUNTRY TOTAL:	34,350	35,700		
ARKANSAS	BLYTHEVILLE AFB				314
	ALTER TAXIWAYS	2,000	2,000	55	315
	PETROLEUM OPERATIONS FACILITY	540	540	55	1077
	ADD TO AND ALTER TARGET INTELLIGENCE FACILITY	820	820	55	1078
	SECURITY IMPROVEMENTS	1,050	1,050	55	317
	* BASE TOTAL:	4,410	4,410		
	LITTLE ROCK AFB				222
	ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE DOCKS	2,750	2,750	35	223
	* BASE TOTAL:	2,750	2,750		
	** STATE/COUNTRY TOTAL:	7,160	7,160		
CALIFORNIA	BEALE AFB				307
	TR-1-AIRCRAFT SHELTER AND APRON	4,000	4,000	55	311
	U-2R-AIRCRAFT SHELTER AND APRON	3,516	3,516	45	308
	KC135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	890	890	70	1078
	T-9-NOISE SUPPRESSOR SUPPORT FACILITY	710	710	55	1079
	SECURITY IMPROVEMENTS	400	400	85	1079
	* BASE TOTAL:	9,516	9,516		

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CALIFORNIA	CASTLE AFB				320
(CON'T)	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	830	830	35	1080
	SURVIVAL EQUIPMENT SHOP	1,800	1,800	100	321
	* BASE TOTAL:	2,630	2,630		
	EDWARDS AFB				93
	ADD TO ALTER TEST MANAGEMENT AND SECURITY FACILITY	1,400	1,400	85	94
	ALTER AVIONICS SHOP	2,300	2,300	100	96
	ADD TO AND ALTER AVIONICS RESEARCH LABORATORY	7,200	7,200	75	99
	ADD TO PROPELLANT LABORATORY COMPLEX	5,500	5,500	100	101
	* BASE TOTAL:	16,400	16,400		
	FORT MACARTHUR				106
	ALTER PERSONNEL SUPPORT FACILITY	3,000	3,000	35	107
	* BASE TOTAL:	3,000	3,000		
	GEORGE AFB				550
	ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	1,900	1,900	70	551
	RESOURCE MANAGEMENT FACILITY	7,650	7,650	65	553
	VISITING PERSONNEL QUARTERS	5,000	5,000	65	555
	* BASE TOTAL:	14,550	14,550		
	MARCH AFB				390
	KC-10-HYDRANT FUELING-CENTRAL AIRCRAFT SUPPORT SYSTEM	13,600	13,600	50	391
	T-9-NOISE SUPPRESSOR SUPPORT FACILITY	840	840	35	1080
	AIR DIVISION HEADQUARTERS	0	2,200	95	394
	* BASE TOTAL:	14,440	16,640		
	MATHER AFB				139
	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	740	740	45	1081
	ACCOUNTING & FINANCE FACILITY	0	1,500	95	140
	* BASE TOTAL:	740	2,240		

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CALIFORNIA (CON'T)	MCCLELLAN AFB				29
	DEPOT FLIGHT INSTRUMENT OVERHAUL FACILITY	9,400	9,400	60	31
	AMMUNITION STORAGE COMPLEX/ LAND ACQUISITION	4,300	4,300	75	34
	ADD TO AND ALTER DEPOT WAREHOUSE	9,400	9,400	70	37
	REGIONAL WASTEWATER CONNECTION	5,800	5,800	80	11206
	* BASE TOTAL:	28.900	28,900		
	NORTON AFB				236
	ADD TO AND ALTER APPROACH LIGHTS	1,450	1,450	50	237
	* BASE TOTAL:	1,450	1.450		
	SUNNYVALE AFS				118
	ALTER AUTOMATED REMOTE TRACKING STATION FACILITY	600	600	95	1093
	ALTER MISSION CONTROL CENTERS	2,000	2.000	65	119
	* BASE TOTAL:	2,600	2,600		
	TRAVIS AFB				248
	SATELLITE COMMUNICATIONS GROUND TERMINAL	1,900	1,900	65	249
	ALTER AIRCRAFT MAINTENANCE HANGAR	1,600	1,600	100	252
	WEAPONS SYSTEMS MAINTENANCE MANAGEMENT AND SUPPORT FACILITY	0	6,500	100	254
	PHYSICAL FITNESS CENTER	4,700	4,700	60	257
	* BASE TOTAL:	8.200	14,700		
	VANDENBURG AFB				474
	ADD TO AND ALTER OAK MOUNTAIN POWER PLANT	2,700	2,700	95	475
	* BASE TOTAL:	2,700	2,700		
	** STATE/COUNTRY TOTAL:	105,126	115,326		
COLORADO	FALCON AFS				274
	LAND ACQUISITION	6,400	6.400	N/A	275
	* BASE TOTAL:	6.400	6,400		

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COLORADO (CON'T)	LA JUNTA				371
	STR SITE-TECHNICAL OPERATIONS FACILITY	1,300	1,300	55	378
	STR SITE-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,750	1,750	90	376
	STR SITE-COMPOSITE SUPPORT FACILITIES	2,150	2,150	55	374
	STR SITE-LAND ACQUISITION	260	260	N/A	380
	* BASE TOTAL:	5,460	5,460		
	PETERSON AFB				277
	ADD TO AND ALTER SECURITY POLICE FACILITY	590	590	35	1083
	BASE SUPPLY WAREHOUSE-PHASE I	4,000	4,000	100	278
	TROOP SUBSISTENCE STORAGE FACILITY	990	990	90	1083
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,050	3,050	95	280
	* BASE TOTAL:	8,630	8,630		
	USAF ACADEMY				644
	ADD TO AND ALTER SECURITY POLICE FACILITY	600	600	35	1082
	ADD TO AND ALTER CADET GYMNASIUM	0	7,400	80	645
	ADD TO AND ALTER BASE CIVIL ENGINEERING FACILITIES	990	990	35	1081
	ALTER ELECTRICAL DISTRIBUTION SYSTEM	4,000	4,000	75	647
	LAND ACQUISITION	230	230	35	1082
	* BASE TOTAL:	5,820	13,220		
	** STATE/COUNTRY TOTAL:	26,310	33,710		
FLORIDA	AVON PARK				497
	EXTEND RUNWAY	4,100	4,100	35	498
	* BASE TOTAL:	4,100	4,100		
	EGLIN AFB				103
	NONDESTRUCTIVE INSPECTION LABORATORY	720	720	100	1084
	FUEL SYSTEMS MAINTENANCE FACILITY	1,650	1,650	90	104
	* BASE TOTAL:	2,370	2,370		

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FLORIDA	HOMESTEAD AFB				569
(CON'T)	SOUND SUPPRESSOR SUPPORT	730	730	60	1084
	F-16-ECM POD SHOP AND STORAGE	1,650	1,650	95	570
	MEDICAL WAR RESERVE MATERIAL FACILITY	770	770	90	1085
	DINING HALL AND TROOP ISSUE FACILITY	3,400	3,400	98	572
	* BASE TOTAL:	6,550	6,550		
	MACDILL AFB				601
	MEDICAL WAR RESERVE MATERIAL FACILITY	780	780	40	1085
	BASE CONTRACTING FACILITY	1,350	1,350	85	602
	ALTER USREDCOM COMMAND CENTER	1,600	1,600	50	604
	* BASE TOTAL:	3,730	3,730		
	PATRICK AFB				115
	AIRCRAFT CORROSION CONTROL FACILITIES	2,600	2,600	40	116
	* BASE TOTAL:	2,600	2,600		
	TYNDALL AFB				635
	CONSOLIDATED TRAINING FACILITY	0	1,500	100	636
	ECIP-FACILITY ENERGY IMPROVEMENTS	600	600	60	1067
	* BASE TOTAL:	600	2,100		
	** STATE/COUNTRY TOTAL:	19,950	21,450		
GEORGIA	MOODY AFB				606
	AIR FORCE COMMUNICATIONS COMMAND MAINTENANCE FACILITY	900	900	35	1085
	* BASE TOTAL:	900	900		
	ROBINS AFB				44
	DANGEROUS CARGO PAD	2,700	2,700	100	45
	KC-135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	660	660	35	1086
	SOUND SUPPRESSOR SUPPORT	740	740	100	1086
	ADD TO AND ALTER AVIONICS REPAIR FACILITY	6,455	6,455	35	47

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GEORGIA (CON'T)	HIGH DENSITY STORAGE FACILITIES	3,800	3,800	100	50
	AIRCRAFT UTILITY OUTLETS	1,700	1,700	100	52
	* BASE TOTAL:	16,055	16,055		
	** STATE/COUNTRY TOTAL:	16,955	16,955		
HAWAII	HICKAM AFB				260
	ADD TO AND ALTER COMMAND CENTER	4,700	4,700	35	261
	VEHICLE OPERATIONS MAINTENANCE FACILITY	1,150	1,150	50	263
	* BASE TOTAL:	5,850	5,850		
	** STATE/COUNTRY TOTAL:	5,850	5,850		
IDAHO	MOUNTAIN HOME AFB				607
	SOUND SUPPRESSOR SUPPORT	700	700	95	1086
	ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	520	520	100	1086
	NAVIGATION AIDS/COMMUNICATION MAINTENANCE SHOP	840	840	60	1087
	COMBAT SUPPORT CENTER	8,700	8,700	100	608
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING (OTH-B)	4,000	4,000	100	611
	* BASE TOTAL:	14,760	14,750		
	** STATE/COUNTRY TOTAL:	14,760	14,760		
ILLINOIS	CHANUTE AFB				122
	WEATHER TRAINING FACILITY	8,700	8,700	60	123
	LIQUID FUELS TRAINING FACILITY	2,600	2,600	60	125
	* BASE TOTAL:	11,300	11,300		
	SCOTT AFB				244
	ADD TO AND ALTER CONSOLIDATED COMPUTER FACILITY	8,900	8,900	95	245
	* BASE TOTAL:	8,900	8,900		
	** STATE/COUNTRY TOTAL:	20,200	20,200		

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INDIANA	GRISSOM AFB				366
	MISSION OPERATIONS FACILITY	3,000	3,000	100	367
	COMBAT ARMS TRAINING/ MAINTENANCE FACILITIES	850	850	99	1087
	* BASE TOTAL:	3,850	3,850		
	** STATE/COUNTRY TOTAL:	3,850	3,850		
KANSAS	MCCONNELL AFB				397
	B-1B-ADD TO AND ALTER OPERATIONS MAINTENANCE FACILITIES	2,000	2,000	40	411
	B-1B-AIRFIELD PAVEMENT	2,740	2,740	40	405
	B-1B-BLAST DEFLECTORS	960	960	40	426
	KC135-HYDRANT FUELING SYSTEM	2,600	2,600	35	428
	B-1B-MOBILTY CENTER	1,950	1,950	40	414
	B-1B-FLIGHT SIMULATOR TRAINING FACILITY	3,660	3,660	35	403
	B-1B-CENTRAL AIRCRAFT SUPT SYS EQUIPMENT AND INSTALLATION	1,200	1,200	40	421
	B-1B-ALTER AIRCRAFT MAINTENANCE HANGARS	11,970	11,970	40	400
	B-1B-ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOPS	2,740	2,740	40	408
	B-1B-ADD TO AND ALTER SUPPORT EQUIPMENT AND STORAGE FACILITY	1,250	1,250	40	419
	B-1B-ADD AND ALTER PRECISION MEASUREMENT EQUIPMENT LAB	500	500	40	426
	B-1B-BASE ENGINEER MAINTENANCE MANAGEMENT FACILITY	240	240	40	427
	B-1B-HEAVY EQUIPMENT MAINTENANCE FACILITY	1,050	1,050	40	424
	B-1B-ADAL AIRCRAFT MAINTENANCE MANAGEMENT FACILITY	1,900	1,900	40	416
	SECURITY IMPROVEMENTS	980	980	55	1088
	* BASE TOTAL:	35,740	35,740		
	** STATE/COUNTRY TOTAL:	35,740	35,740		
LOUISIANA	ENGLAND AFB				547
	BASE CIVIL ENGINEER ADMINISTRATIVE FACILITY	2,300	2,300	100	548
	* BASE TOTAL:	2,300	2,300		
	** STATE/COUNTRY TOTAL:	2,300	2,300		

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MAINE	BANGOR IAP				499
	PHYSICAL FITNESS FACILITY	1,250	1,250	100	500
	* BASE TOTAL:	1,250	1,250		
	LORING AFB				381
	AIRCRAFT PRKG APRON & HYDRANT FUELING SYS W/CASS-PHASE I	12,200	12,200	85	382
	ALTER WEAPONS STORAGE AREA	1,300	1,300	35	385
	* BASE TOTAL:	13,500	13,500		
	** STATE/COUNTRY TOTAL:	14,750	14,750		
MARYLAND	ANDREWS AFB				206
	AF ONE MAINTENANCE AND SUPPORT COMPLEX	45,000	45,000	2	207
	ECIP-ALTER LIGHTING SYSTEMS	430	430	100	1067
	* BASE TOTAL:	45,430	45,430		
	** STATE/COUNTRY TOTAL:	45,430	45,430		
MASSACHUSETTS	CAPE COD AFS				266
	ALTER POWER PLANT	4,300	4,300	80	267
	* BASE TOTAL:	4,300	4,300		
	HANSCOM AFB				109
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,700	2,700	75	110
	ALTER UNACCOMPANIED OFFICER PERSONNEL HOUSING	1,300	1,300	75	112
	* BASE TOTAL:	4,000	4,000		
	** STATE/COUNTRY TOTAL:	8,300	8,300		
MICHIGAN	K. I. SAYWER				370
	ADD TO AND ALTER COMBAT ARMS TRAINING/MAINTENANCE FACILITIES	740	740	65	1088
	SECURITY IMPROVEMENTS	990	990	35	.1089
	* BASE TOTAL:	1,730	1,730		

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MICHIGAN (CON'T)	WURTSMITH AFB				484
	B-52-ADD TO AND ALTER ALERT AIRCRAFT PARKING AREA	2,700	2,700	30	489
	B-52-ADD TO AIRCRAFT PARKING APRON	4,450	4,450	30	487
	B-52-ADD TO HYDRANT REFUELING WITH CENTRAL ACFT SUPT SYSTEM	1,500	1,500	30	494
	B-52-ADD TO AND ALTER ALERT CREW FACILITY	1,900	1,900	35	491
	ECIP-BOILER IMPROVEMENTS	320	320	100	1067
	SECURITY IMPROVEMENTS	870	870	35	1089
	* BASE TOTAL:	11,740	11,740		
	** STATE/COUNTRY TOTAL:	13,470	13,470		
MISSISSIPPI	KEESLER AFB				130
	ECIP-FACILITY ENERGY IMPROVEMENTS	1,970	1,970	100	1068
	DEFENSE ACCESS ROAD	3,200	3,200	N/A	1064
	* BASE TOTAL:	5,170	5,170		
	** STATE/COUNTRY TOTAL:	5,170	5,170		
MISSOURI	WHITEMAN AFB				477
	COLD STORAGE FACILITY	1,200	1,200	100	478
	ALTER ELECTRICAL DISTRIBUTION SYSTEM	9,500	9,500	35	481
	* BASE TOTAL:	10,700	10,700		
	** STATE/COUNTRY TOTAL:	10,700	10,700		
MONTANA	MALMSTROM AFB				387
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,800	3,800	35	388
	* BASE TOTAL:	3,800	3,800		
	** STATE/COUNTRY TOTAL:	3,800	3,800		

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NEBRASKA	OFFUTT AFB				449
	STRATEGIC ANALYSIS AND APPLICATIONS CENTER	12,350	12,350	45	451
	ADD TO COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	520	520	65	1090
	ADD TO AND ALTER STRATEGIC COMMUNICATIONS DIV HQTRS FAC	2,470	2,470	35	454
	ECIP-FACILITY ENERGY IMPROVEMENTS	2,680	2,680	100	1068
	ELECTRICAL SUBSTATION	4,450	4,450	35	456
	SECURITY IMPROVEMENTS	2,500	2,500	35	458
	* BASE TOTAL:	24,970	24,970		
	** STATE/COUNTRY TOTAL:	24,970	24,970		
NEVADA	INDIAN SPRINGS				575
	CONTROL TOWER	1,700	1,700	50	576
	* BASE TOTAL:	1,700	1,700		
	NELLIS AFB				617
	PARALLEL TAXIWAY/LAND ACQUISTION	7,300	7,300	95	618
	BASE ENGINEERING COMPLEX-PHASE I	7,700	7,700	45	620
	COMBAT SUPPORT CENTER	6,200	6,200	80	623
	DINING HALL	2,600	2,600	55	625
	* BASE TOTAL:	23,800	23,800		
	** STATE/COUNTRY TOTAL:	25,500	25,500		
NEW HAMPSHIRE	PEASE AFB				460
	ADD TO AND ALTER COMBAT ARMS TRAINING AND MAINT FACILITIES	1,050	1,050	95	461
	ADD TO AND ALTER AVIONICS MAINTENANCE SHOP	1,150	1,150	85	463
	* BASE TOTAL:	2,200	2,200		
	** STATE/COUNTRY TOTAL:	2,200	2,200		

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NEW JERSEY	MCGUIRE AFB				231
	SATELLITE COMMUNICATIONS GROUND TERMINAL	895	895	75	1091
	ADD TO AND ALTER BASE CIVIL ENGINEERING COMPLEX	5,700	5,700	95	232
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	7,000	7,000	55	234
	* BASE TOTAL:	13,595	13,595		
	** STATE/COUNTRY TOTAL:	13,595	13,595		
NEW MEXICO	HOLLOMAN AFB				558
	SATELLITE COMMUNICATIONS SYSTEMS SECURITY	600	600	95	1091
	TACTICAL OPERATIONS CENTER	3,350	3,350	90	559
	RADAR TARGET SCATTER MODERNIZATION-PHASE II	4,160	4,160	85	562
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,500	4,500	90	564
	LAND ACQUISITION	2,150	2,150	N/A	566
	* BASE TOTAL:	14,760	14,760		
	KIRTLAND AFB				215
	COMMUNICATIONS DUCT SYSTEM	1,800	1,800	35	216
	ALTER MAINTENANCE HANGAR	1,300	1,300	35	218
	OPTICS AND BEAM CONTROL LABORATORY	8,700	8,700	35	220A
	* BASE TOTAL:	11,800	11,800		
	** STATE/COUNTRY TOTAL:	26,560	26,560		
NEW YORK	GRIFFISS AFB				363
	T-9-NOISE SUPPRESSOR SUPPORT FACILITY	440	440	75	1092
	SECURITY IMPROVEMENTS	1,150	1,150	35	364
	* BASE TOTAL:	1,590	1,590		
	PLATTSBURGH AFB				465
	KC135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	760	760	60	1092
	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,250	1,250	95	466
	ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	3,200	3,200	100	468

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NEW YORK (CON'T)	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	3,000	100	470
	SECURITY IMPROVEMENTS	1,400	1,400	35	472
	* BASE TOTAL:	9,610	9,610		
	** STATE/COUNTRY TOTAL:	11,200	11,200		
NORTH CAROLINA	POPE AFB				239
	MUNITIONS STORAGE COMPLEX	1,100	1,100	35	240
	UPGRADE CENTRAL HEATING PLANTS	2,300	2,300	30	242
	* BASE TOTAL:	3,400	3,400		
	SEYMOUR-JOHNSON AFB				627
	SOUND SUPPRESSOR SUPPORT	660	660	100	1092
	AIRCRAFT MAINTENANCE SUPPLY WAREHOUSE	2,100	2,100	40	628
	* BASE TOTAL:	2,760	2,760		
	** STATE/COUNTRY TOTAL:	6,160	6,160		
NORTH DAKOTA	CAVALIER AFS				269
	ALTER SATCOM GROUND TERMINAL	1,700	1,700	35	270
	ADD TO AND ALTER COOLING SYSTEM	1,120	1,120	50	272
	* BASE TOTAL:	2,820	2,820		
	GRAND FORKS AFB				340
	B-1B-CROSSOVER TAXIWAY	2,400	2,400	40	348
	B-1B-BLAST DEFLECTORS	1,750	1,750	40	351
	B-1B-SECONDARY FIRE STATION	330	330	40	358
	KC135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	780	780	35	1094
	B-1B-ALTER FLIGHT SIMULATOR TRAINING FACILITY	1,100	1,100	35	355
	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,500	1,500	90	359
	B-1B-CENTRAL AIRCRAFT SUPT SYS EQUIPMENT AND INSTALLATION	3,000	3,000	40	345
	B-1B-ADD TO AND ALTER VARIOUS MAINTENANCE FACILITIES	1,700	1,700	40	352A
	B-1B-ALTER INTEGRATED MAINTENANCE FACILITY	550	550	40	357

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NORTH DAKOTA (CON'T)	B-1B-SUPPORT EQUIPMENT AND STORAGE FACILITY	3,150	3,150	40	343
	B-1B-TRACTOR AND TRAILER STORAGE FACILITIES	930	930	40	357
	B-1B-JET ENGINE STORAGE FACILITY	430	430	40	358
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,100	4,100	35	361
	ELEVATED WATER STORAGE TANK	680	680	45	1093
	SECURITY IMPROVEMENTS	730	730	65	1093
	* BASE TOTAL:	23,130	23,130		
	MINOT AFB				430
	KC135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	890	890	35	1094
	CM-MUNITIONS UPLOAD TRAINING FACILITY	8,300	8,300	71	435
	COMBAT ARMS TRAINING/ MAINTENANCE FACILITIES	1,250	1,250	90	443
	CM-ADD TO AND ALTER MUNITIONS MAINTENANCE SHOP	1,700	1,700	60	438
	CM-UPGRADE WEAPONS STORAGE AREA (WSA)	2,100	2,100	60	437
	CM-WEAPONS STORAGE IGLOOS	11,100	11,100	60	433
	CM-UNARMED WEAPONS STORAGE FACILITY	1,100	1,100	71	440
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,650	4,650	80	445
	ECIP-ALTER HEATING SYSTEMS	250	250	95	1068
	CM-WEAPONS CONVOY ROADS	710	710	71	442
	SECURITY IMPROVEMENTS	1,050	1,050	60	447
	* BASE TOTAL:	33,100	33,100		
	** STATE/COUNTRY TOTAL:	59,050	59,050		
OHIO	NEWARK AFS				40
	RADIAC LABORATORY	3,000	3,000	100	41
	* BASE TOTAL:	3,000	3,000		
	WRIGHT-PATTERSON AFB				75
	AIRCRAFT SUPPORT EQUIPMENT FACILITY	3,300	3,300	65	77
	ADD TO AND ALTER BIOCOMMUNICATIONS LABORATORY	7,400	7,400	55	80
	ADD/ALTER AIRCRAFT FIRE PROTEC-	2.850	2.850	100	82

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OHIO (CON'T)	ACCESS ROAD	15,000	15,000	N/A	1063
	ROAD	3,600	3,600	85	85
	HANGAR FIRE PROTECTION SYSTEM	2,350	2,350	96	87
	* BASE TOTAL:	34,500	34,500		
	** STATE/COUNTRY TOTAL:	37,500	37,500		
OKLAHOMA	ALTUS AFB				205
	LAND ACQUISITION	310	310	N/A	1095
	* BASE TOTAL:	310	310		
	TINKER AFB				55
	AIRCRAFT MAINTENANCE HANGAR	15,000	15,000	35	57
	ADD TO AND ALTER HEAT TREATMENT FACILITY	2,300	2,300	35	60
	ADD TO AND ALTER ENGINE TUBING AND ACCESSORIES SHOP	1,650	1,650	35	63
	ALTER F-107 ENGINE FACILITY	1,350	1,350	35	66
	ADD TO AND ALTER HAZARDOUS STORAGE FACILITY	1,800	1,800	98	69
	WAREHOUSE	10,800	10,800	90	72
	* BASE TOTAL:	32,900	32,900		
	** STATE/COUNTRY TOTAL:	33,210	33,210		
SOUTH CAROLINA	CHARLESTON AFB				210
	AERIAL REFUELING PART TASK TRAINING FACILITY	0	1,200	100	211
	CORROSION CONTROL FACILITY	5,000	5,000	35	213
	MATERIAL HANDLING EQUIPMENT MAINTENANCE SHOP	730	730	100	1095
	ADD TO AND ALTER RECREATION CENTER	560	560	100	1096
	* BASE TOTAL:	6,290	7,490		
	MYRTLE BEACH AFB				613
	AIRCRAFT CORROSION CONTROL FACILITIES	3,000	3,000	60	614
	* BASE TOTAL:	3,000	3,000		

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SOUTH CAROLINA (CON'T)	SHAW AFB				630
	ADD TO AND ALTER WEAPONS SYSTEM MAINT MANAGEMENT FACILITY	0	1,150	95	631
	ADD TO AND ALTER 9TH AIR FORCE HEADQUARTERS	3,700	3,700	95	633
	* BASE TOTAL:	3,700	4,850		
	** STATE/COUNTRY TOTAL:	12,990	15,340		
SOUTH DAKOTA	ELLSWORTH AFB				326
	LIFE SUPPORT FACILITY	950	950	40	1097
	CONTROL TOWER	2,150	2,150	40	327
	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,000	1,000	60	1097
	B1-B-ADD TO AND ALTER WRSK STORAGE FACILITY	860	860	50	1098
	SECURITY IMPROVEMENTS	450	450	60	1096
	* BASE TOTAL:	5,410	5,410		
	** STATE/COUNTRY TOTAL:	5,410	5,410		
TENNESSEE	ARNOLD ENGINEERING DEVELOP CTR				90
	ADD TO AND ALTER CHEMICAL LABORATORY	730	730	60	1098
	FIRE DEFICIENCY CORRECTIONS	2,800	2,800	40	91
	* BASE TOTAL:	3,530	3,530		
	** STATE/COUNTRY TOTAL:	3,530	3,530		
TEXAS	BERGSTROM AFB				528
	ADD TO AND ALTER TACTICAL INTELLIGENCE SQUADRON FACILITY	1,260	1,260	95	529
	TACTICAL AIR CONTROL CENTER FACILITY	3,390	3,390	95	532
	SOUND SUPPRESSOR SUPPORT	600	600	65	1099
	* BASE TOTAL:	5,250	5,250		
	CARSWELL AFB				319
	VEHICLE FUELING STATION	490	490	55	1099
	* BASE TOTAL:	490	490		

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TEXAS (CON'T)	DYESS AFB				323
	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	960	960	85	1100
	T-9-NOISE SUPPRESSOR SUPPORT FACILITY	780	780	90	1101
	B-1B-MUNITIONS EQUIPMENT STORAGE FACILITIES	1,050	1,050	100	324
	B-1B-JET ENGINE STORAGE FACILITY	590	590	100	1101
	SECURITY IMPROVEMENTS	750	750	80	1100
	* BASE TOTAL:	4,130	4,130		
	GOODFELLOW AFB				127
	UNACCOMPANIED OFFICER PERSONNEL HOUSING	10,000	10,000	35	128
	* BASE TOTAL:	10,000	10,000		
	KELLY AFB				21
	FUEL SYSTEMS ACCESSORIES TEST FACILITY	10,900	10,900	35	23
	WEAPONS SYSTEMS SUPPORT CENTER	39,000	39,000	35	26
	* BASE TOTAL:	49,900	49,900		
	LACKLAND AFB				131
	ACADEMIC FACILITY-SECURITY POLICE	5,500	5,500	35	132
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	16,000	16,000	35	134
	* BASE TOTAL:	21,500	21,500		
	LAUGHLIN AFB				136
	LAND ACQUISITION-AUXILIARY AIRFIELD	3,700	3,700	N/A	137
	* BASE TOTAL:	3,700	3,700		
	RANDOLPH AFB				142
	ADMINISTRATIVE FACILITY (AFMEA)	2,250	2,250	50	143
	* BASE TOTAL:	2,250	2,250		

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TEXAS	SHEPPARD AFB				146
(CON'T)	MEDICAL TRAINING FACILITY	0	14,200	100	147
	* BASE TOTAL:	0	14,200		
	** STATE/COUNTRY TOTAL:	97,220	111,420		
UTAH	HILL AFB				6
	GAPFILLER RADAR FACILITY	1,300	1,300	40	8
	DEPOT INSTRUMENT OVERHAUL SHOP	1,550	1,550	100	10
	PEACEKEEPER - SYSTEM ENGINEERING TEST SILO	4,000	4,000	50	13
	PEACEKEEPER - AND TO AND ALTER STAGE I STORAGE	1,000	1,000	100	1102
	LOGISTICS SYSTEMS OPERATIONS CENTER	11,500	11,500	65	15
	ADD TO WATER SUPPLY AND DISTRIBUTION SYSTEM	1,200	1,200	35	18
	* BASE TOTAL:	20,550	20,550		
	** STATE/COUNTRY TOTAL:	20,550	20,550		
VIRGINIA	LANGLEY AFB				578
	ASAT-INTEGRATED MAINTENANCE FACILITIES	0	9,300	100	581
	ASAT-MISSILE AND MOTOR STORAGE FACILITY	0	1,900	100	585
	ASAT-ADMINISTRATIVE BUILDING	0	500	100	587
	ASAT-HAZARDOUS MATERIALS STORAGE	0	300	100	587
	ASAT-CONTROL CENTER	0	420	100	587
	ASAT-SECURITY CONTROL	0	280	100	587
	BASE SUPPLY COMPLEX-PHASE III	4,450	4,450	65	588
	ADD TO AND ALTER DATA PROCESSING FACILITY	3,550	3,550	90	591
	ECIP-UPGRADE HEATING SYSTEMS	1,640	1,640	95	1068
	ASAT-UTILITIES AND SITE WORK	0	2,900	100	583
	* BASE TOTAL:	9,640	25,240		
	** STATE/COUNTRY TOTAL:	9,640	25,240		

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WASHINGTON	FAIRCHILD AFB				334
	SECURITY POLICE OPERATIONS FACILITY	2,900	2,900	100	335
	T-9-NOISE SUPPRESSOR SUPORT FACILITY	750	750	60	1102
	ALTER CONSOLIDATED BASE PERSONNEL OFFICE	1,950	1,950	35	337
	ECIP-WEATHERIZE	1,350	1,350	100	1068
	SECURITY IMPROVEMENTS	570	570	100	1103
	* BASE TOTAL:	7,520	7,520		
	MCCHORD AFB				226
	SQUADRONS OPERATIONS FACILITY	4,900	4,900	60	227
	ADD TO AND ALTER AIR FREIGHT TERMINAL	6,400	6,400	35	229
	* BASE TOTAL:	11,300	11,300		
	** STATE/COUNTRY TOTAL:	18,820	18,820		
WYOMING	F.E. WARREN AFB				329
	PEACEKEEPER - LAUNCH FACILITIES SITE WORK	5,000	5,000	95	330
	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	550	550	60	1103
	ADD TO AND ALTER ENERGY MONITORING/CONTROL SYSTEM	2,600	2,600	50	332
	PEACEKEEPER-ACCESS ROADS	14,500	14,500	N/A	1063
	PEACEKEEPER-REAL ESTATE	400	400	N/A	1104
	* BASE TOTAL:	23,050	23,050		
	** STATE/COUNTRY TOTAL:	23,050	23,050		

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CONUS	BASE 18-CLASS LOCATION				285
	KC135R-ALTER AIRFIELD PAVEMENTS	6,600	6,600	90	293
	KC135R-ALTER HYDRANT REFUELING SYSTEM	8,500	8,500	50	288
	KC135R-ADD TO AND ALTER FIRE STATION	570	570	100	300
	KC135R-INSTRUMENT LANDING SYSTEM	920	920	60	299
	KC135R-RUNWAY APPROACH LIGHTS	800	800	75	299
	KC135R-CENTRAL AIRCRAFT SUPPORT SYSTEM-PHASE I	1,800	1,800	60	295
	KC135R-ALTER FUEL SYSTEM MAINTENANCE DOCK	1,400	1,400	80	297
	KC135R-ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	800	800	100	300
	KC135R-ALTER AVIONICS MAINTENANCE SHOP	210	210	100	302
	KC135R-ALTER SUPPORT EQUIPMENT AND STORAGE FACILITIES	280	280	100	301
	KC135R-ALTER HEADQUARTERS OPERATIONS FACILITY	7,700	7,700	35	290
	KC135R-APRON LIGHTING	390	390	75	301
	* BASE TOTAL:	29,970	29,970		
	BASE 37-CLASS LOCATION				501
	F15E-SQUADRON OPERATIONS FACILITIES	3,100	3,100	60	506
	F15E-ALTER FACILITY FOR F-15 FLIGHT ACADEMICS FACILITY	1,200	1,200	50	510
	F15E-ADD TO AND ALTER FLIGHT SIMULATOR FACILITY	7,200	7,200	50	503
	F15E-FIELD TRAINING DETACHMENT FACILITY	2,800	2,800	60	508
	F15E-FUEL TANK STORAGE FACILITY	650	650	80	512
	* BASE TOTAL:	14,950	14,950		

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CONUS (CON'T)	BASE 38-CLASS LOCATION				514
	F-15-ADDITION TO AIRCRAFT APRON	9,300	9,300	35	517
	F-15-ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	760	760	60	523
	F-15-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,650	4,650	35	520
	* BASE TOTAL:	14,710	14,710		
	BASE 39-CLASS LOCATION				525
	F15E-FLIGHT SIMULATOR	2,300	2,300	35	526
	* BASE TOTAL:	2,300	2,300		
	BASE 43-CLASS LOCATION				303
	STC-RANGE CONTROL TOWER AND OPERATIONS FACILITY	5,500	5,500	35	304
	* BASE TOTAL:	5,500	5,500		
	UNSPECIFIED LOCATION				
	SPECIAL TACTICAL DETACHMENT	37,056	37,056	N/A	283
	* BASE TOTAL:	37,056	37,056		
	WEST CONUS				638
	OTH-B RADAR TRANSMITTER STANDBY POWER LINE	18,000	18,000		639
	OTH-B RADAR TRANSMITTER AND RECEIVER SUPPORT FACILITIES	2,800	2,800	35	641
	* BASE TOTAL:	20,800	20,800		
	** STATE/COUNTRY TOTAL:	125,286	125,286		
	INSIDE UNITED STATES TOTAL:	1,025,732	1,080,132		

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AUSTRALIA	WOOMERA AS				766
	SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	2,300	2,300	35	767
	* BASE TOTAL:	2,300	2,300		
	** STATE/COUNTRY TOTAL:	2,300	2,300		
BELGIUM	FLORENNES AB				871
	GLCM-DATA PROCESSING FACILITY	1,200	1,200	35	877
	GLCM-COMMISSARY	3,500	3,500	35	873
	GLCM-EXHANGE COMPLEX	2,850	2,850	95	875
	GLCM-AUTOMOTIVE HOBBY SHOP	520	520	35	879
	GLCM-RECREATION LIBRARY	0	460	35	879
	GLCM-YOUTH CENTER	750	750	35	879
	* BASE TOTAL:	8,820	9,280		
	** STATE/COUNTRY TOTAL:	8,820	9,280		
GERMANY	BITBURG AB				841
	DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	842
	RAPID RUNWAY REPAIR EQUIPMENT STORAGE FACILITY	960	960	45	1105
	PASSIVE DEFENSE EQUIPMENT STORAGE FACILITY	770	770	40	1105
	WATER STORAGE TANK	480	480	35	1106
	ALTER BASE MAIN ENTRANCE	440	440	35	1105
	ADD TO AND ALTER SEWAGE TREATMENT PLANT	1,500	1,500	35	1120C
	* BASE TOTAL:	5,350	5,350		
	EINSIEDLERHOF AB				863
	VISITING OFFICERS QUARTERS	0	2,600	50	864
	* BASE TOTAL:	0	2,600		
	HAHN AB				883
	ALTERNATE LAUNCH/RECOVERY SURFACE (ALRS)	2,100	2,100	35	885
	ADAL/ALTER FIRE STATION	1,100	1,100	100	887
	SECURITY POLICE OPERATIONS FACILITY	1,100	1,100	45	889
	ADD TO VEHICLE MAINTENANCE FACILITY	1,900	1,900	35	891
	RAPID RUNWAY REPAIR EQUIPMENT STORAGE BUILDING	840	840	50	1106

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GERMANY (CON'T)	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,400	1,400	45	897
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,300	2,300	45	893
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,000	4,000	35	895
	POST OFFICE	980	980	100	1106
	* BASE TOTAL:	15,720	15,720		
	HESSISCH OLDENDORF AS				899
	ADD TO AND ALTER COMPOSITE RECREATION CENTER	2,000	2,000	75	900
	* BASE TOTAL:	2,000	2,000		
	LINDSEY AS				922
	DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	40	923
	* BASE TOTAL:	1,200	1,200		
	PRUEM AS				942
	COMPOSITE RECREATION CENTER	1,150	1,150	100	943
	* BASE TOTAL:	1,150	1,150		
	RAMSTEIN AB				945
	F16-CENTRAL SECURITY CONTROL FACILITY	2,050	2,050	40	951
	PROTECTED COMBAT TARGETING CENTER	36,000	36,000	35	957
	ADD TO AND ALTER NONCOMMISSIONED OFFICER ACADEMY(KAPAUN)	1,850	1,850	45	962
	F16-MUNITIONS LOAD CREW TRAINING FACILITY	2,350	2,350	40	947
	F16-AIRCRAFT MAINTENANCE FACILITY	1,200	1,200	45	955
	ADD TO AND ALTER VEHICLE MAINTENANCE SHOPS	6,000	6,000	45	960
	F16-ADD TO AND ALTER AEROSPACE SUPPORT EQUIPMENT COMPLEX	1,600	1,600	35	953
	WEAPONS STORAGE & SECURITY SYSTEM	800	800	35	1107
	F16-WAREHOUSE	2,200	2,200	40	949

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GERMANY (CON'T)	OUTDOOR PROCESSING/PALLET STORAGE AREA	1,350	1,350	45	964
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,900	2,900	45	966
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	6,300	6,300	45	968
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	3,000	45	970
	VISITING OFFICERS QUARTERS	3,000	3,000	45	972
	SECURITY LIGHTING	420	420	40	1107
	WATER STORAGE TANK	2,600	2,600	35	974
	* BASE TOTAL:	73,620	73,620		
	RHEIN MAIN AB				657
	FIRE PROTECTION SYSTEM	1,300	1,300	50	658
	* BASE TOTAL:	1,300	1,300		
	SEMBACH AB				981
	VEHICLE MAINTENANCE FACILITY	1,050	1,050	100	982
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,900	4,900	40	984
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,450	1,450	35	986
	* BASE TOTAL:	7,400	7,400		
	SPANGDAHLEM AB				988
	CHEM WARFARE PROTECT-SQUADRON OPERATIONS FACILITY	1,700	1,700	35	990
	FIELD TRAINING FACILITY	0	1,600	100	993
	VEHICLE MAINTENANCE FACILITY	2,350	2,350	65	995
	GROUND DEFENSE MUNITIONS STORAGE IGLOOS	560	560	35	1107
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,700	3,700	45	997
	POST OFFICE	1,050	1,050	45	999
	* BASE TOTAL:	9,360	10,960		
	WUESCHHEIM AS				1049
	GLCM BASE CIVIL ENGINEER PAVEMENTS/GROUND SHOP	310	310	35	1108
	* BASE TOTAL:	310	310		

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GERMANY (CON'T)	ZWEIBRUCKEN AB				1051
	ALTERNATE LAUNCH/RECOVERY SURFACE (ALRS)	3,550	3,550	35	1052
	CHEM WARFARE PROTECT-AIR PHOTO INTERPRETATION FACILITY	950	950	55	1108
	CHEM WARFARE PROTECT-SQUADRON OPERATIONS FACILITIES	1,940	1,940	45	1054
	EDS-FORWARD STORAGE WAREHOUSE	1,100	1,100	100	1057
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,750	2,750	45	1059
	* BASE TOTAL:	10,290	10,290		
	** STATE/COUNTRY TOTAL:	127,700	131,900		
GREECE	IRAKLION AB				916
	2ND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	320	320	40	1108
	* BASE TOTAL:	320	320		
	** STATE/COUNTRY TOTAL:	320	320		
GREENLAND	SONDRESTROM AB				754
	UNACCOMPANIED PERSONNEL HOUSING	5,860	5,860	80	755
	* BASE TOTAL:	5,860	5,860		
	THULE AB				757
	FIRE STATION	3,900	3,900	100	758
	ALTER SATCOM GROUND TERMINAL	1,540	1,540	35	760
	SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	2,150	2,150	90	762
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,200	2,200	35	764
	* BASE TOTAL:	9,790	9,790		
	** STATE/COUNTRY TOTAL:	15,650	15,650		
GUAM	ANDERSEN AB				771
	ALTER JET FUEL STORAGE FACILITIES	7,600	7,600	60	772
	* BASE TOTAL:	7,600	7,600		
	** STATE/COUNTRY TOTAL:	7,600	7,600		

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ICELAND	KEFLAVIK NAS				775
	ACCOUNTING & FINANCE FACILITY	1,600	1,600	60	776
	* BASE TOTAL:	1,600	1,600		
	** STATE/COUNTRY TOTAL:	1,600	1,600		
INDIAN OCEAN	DIEGO GARCIA AB				690
	GLOBAL POSITIONING SYSTEM INTERNET FACILITIES	3,900	3,900	75	691
	VEHICLE STORAGE AND MAINTENANCE SUPPORT	800	800	35	1109
	* BASE TOTAL:	4,700	4,700		
	** STATE/COUNTRY TOTAL:	4,700	4,700		
ITALY	AVIANO AB				815
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,200	4,200	45	816
	VISITING OFFICERS QUARTERS	0	3,000	60	818
	* BASE TOTAL:	4,200	7,200		
	CAMP DARBY				844
	SEGREGATED MAGAZINE	270	270	95	1109
	* BASE TOTAL:	270	270		
	COMISO AB				853
	CHEM WARFARE PROTECT-WING COMMAND POST	1,500	1,500	35	854
	CHEM WARFARE PROTECT-CENTRAL SECURITY CONTROL	1,500	1,500	35	856
	GLCM-MILITARY CLOTHING SALES	0	300	35	859
	GLCM-ARTS AND CRAFTS SHOP	370	370	90	859
	GLCM-AUTOMOTIVE HOBBY SHOP	410	410	90	859
	GLCM-RECREATION LIBRARY	230	230	100	860
	* BASE TOTAL:	4,010	4,310		
	DECIMOMANNU AB				862
	VISITING OFFICERS QUARTERS	0	900	100	1109
	* BASE TOTAL:	0	900		

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ITALY (CON'T)	SAN VITO AS				976
	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	490	490	35	1109
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	AFE 3,300	3,300	45	977
	VISITING OFFICERS QUARTERS	2,450	2,450	40	979
	* BASE TOTAL:	6,240	6,240		
	** STATE/COUNTRY TOTAL:	14,720	18,920		
JAPAN	KADENA AB				963
	ADD TO AND ALTER HYDRANT FUELING SYSTEM -PHASE II	7,100	7,100	30	695
	VEHICLE CORROSION CONTROL SUPPORT FACILITY	265	265	35	1110
	* BASE TOTAL:	7,365	7,365		
	MISAWA AB				716
	CONCRETE ARCH IGLOO MAGAZINES	3,050	3,050	50	717
	MUNITIONS PRELOAD COMPLEX	7,250	7,250	50	719
	* BASE TOTAL:	10,300	10,300		
	TOTSUKA NRTF				748
	ADD TO TELECOMMUNICATIONS FACILITY	700	700	40	1110
	* BASE TOTAL:	700	700		
	YOKOSUKA NRTF				749
	ADD TO TELECOMMUNICATIONS FACILITY	600	600	35	1111
	* BASE TOTAL:	600	600		
	YOKOTA AB				750
	JET FUEL STORAGE	4,900	4,900	60	751
	* BASE TOTAL:	4,900	4,900		
	** STATE/COUNTRY TOTAL:	23,865	23,865		

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KOREA	CAMP HUMPHREYS				662
	OPERATIONAL/MAINTENANCE/ STORAGE FACILITIES	8,300	8,300	60	663
	* BASE TOTAL:	8,300	8,300		
	CAMP RED CLOUD				665
	MAINTENANCE/STORAGE FACILITY AND VEHICLE EQUIPMENT PARKING	1,450	1,450	60	666
	* BASE TOTAL:	1,450	1,450		
	KIMHAE AB				697
	PORTOMOD WAREHOUSE	570	570	70	1112
	UNACCOMPANIED PERSONNEL HOUSING	3,050	3,050	100	698
	* BASE TOTAL:	3,620	3,620		
	KUNSAN AB				700
	ADD TO AIRCRAFT APRON	1,050	1,050	100	702
	AIRCRAFT MAINTENANCE UNIT FACILITY	1,800	1,800	85	704
	PORTOMOD WAREHOUSE	600	600	70	1113
	AIRCRAFT MAINTENANCE MANAGEMENT FACILITY	2,050	2,050	70	707
	BASE CIVIL ENGINEER FACILITY	840	840	70	1113
	CONSOLIDATED SUPPORT FACILITY	0	2,250	95	709
	ALTER ELECTRICAL DISTRIBUTION SYSTEM-PHASE-II	2,600	2,600	70	711
	SECURITY LIGHTING SYSTEM	1,650	1,650	85	713
	UPGRADE WATER DISTRIBUTION	430	430	35	1112
	* BASE TOTAL:	11,020	13,270		
	KWANG-JU AB				715
	PORTOMOD WAREHOUSE	600	600	70	1113
	UNACCOMPANIED OFFICER PERSONNEL HOUSING	0	650	100	1114
	* BASE TOTAL:	600	1,250		
	OSAN AB				722
	MUNITIONS MAINTENANCE AND STORAGE FACILITIES-PHASE II	5,950	5,950	65	724
	AIRCRAFT MAINTENANCE FACILITIES	3,000	3,000	45	727
	ALTER AIRMEN DINING HALL	1,150	1,150	65	729

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KOREA (CON'T)	CHAPEL CENTER	2,300	2,300	65	731
	ADD TO AND ALTER PRIMARY ELECTRICAL DISTRIBUTION SYSTEM	5,400	5,400	90	733
	* BASE TOTAL:	17,800	17,800		
	SUWON AB				738
	MUNITIONS MAINTENANCE AND STORAGE FACILITIES	3,250	3,250	35	739
	PORTOMOD WAREHOUSE	600	600	70	1114
	* BASE TOTAL:	3,850	3,850		
	TAEGU AB				741
	PORTOMOD WAREHOUSE	1,070	1,070	90	742
	AIRMEN DINING HALL	2,350	2,350	65	744
	UNACCOMPANIED OFFICER PERSONNEL HOUSING	1,750	1,750	35	746
	* BASE TOTAL:	5,170	5,170		
	** STATE/COUNTRY TOTAL:	51,810	54,710		
MARIANAS ISLANDS	SAIPAN				735
	PACBAR RADAR BARRIER III	5,200	5,200	35	736
	* BASE TOTAL:	5,200	5,200		
	** STATE/COUNTRY TOTAL:	5,200	5,200		
MOROCCO	MOROCCO				936
	PETROLEUM RESUPPLY SYSTEM	25,400	25,400	40	937
	* BASE TOTAL:	25,400	25,400		
	** STATE/COUNTRY TOTAL:	25,400	25,400		
NETHERLANDS	CAMP NEW AMSTERDAM				845
	COMMUNICATION MAINTENANCE FACILITY	570	570	50	1111
	CHEM WARFARE PROTECT-SQUADRON OPERATIONS FACILITY	930	930	50	1112
	ADD TO BASE SUPPLY COMPLEX	2,450	2,450	60	846
	ADD TO AND ALTER CHAPEL	1,300	1,300	50	848
	* BASE TOTAL:	5,250	5,250		

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NETHERLANDS (CON'T)	WOENSDRECHT AB				1021
	GLCM-FIRE STATION	1,000	1,000	95	1042
	GLCM-TELECOMMUNICATIONS CENTER	1,000	1,000	90	1042
	GLCM-TOWER SUPPORT	350	350	80	1043
	GLCM-HIGH FREQUENCY FACILITY	1,600	1,600	95	1038
	GLCM-OPERATIONS AND MAINTENANCE TRAINING FACILITY	1,700	1,700	100	1034
	GLCM-VEHICLE CORROSION CONTROL FACILITY	700	700	35	1042
	GLCM-BASE CIVIL ENGINEER COMPLEX	3,500	3,500	95	1028
	GLCM-BASE SUPPLY COMPLEX	2,350	2,350	95	1032
	GLCM-SUBSISTENCE STORAGE FACILITY	1,050	1,050	95	1040
	GLCM-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	7,300	7,300	100	1026
	GLCM-DINING HALL	1,600	1,600	95	1036
	GLCM-UNACCOMPANIED OFFICER PERSONNEL HOUSING	3,000	3,000	100	1030
	GLCM-UTILITIES, PAVEMENTS AND ROADS	8,600	8,600	100	1024
	GLCM-VEHICLE OPERATIONS COMPLEX	550	550	100	1043
	* BASE TOTAL:	34,300	34,300		
	** STATE/COUNTRY TOTAL:	39,550	39,550		
OMAN	MASIRAH				779
	SW ASIA-CARETAKER CONTRACTOR SUPPORT FACILITIES	3,500	3,500	40	780
	* BASE TOTAL:	3,500	3,500		
	THUMRAIT				782
	SW ASIA-CARETAKER CONTRACTOR SUPPORT FACILITIES	3,400	3,400	40	783
	* BASE TOTAL:	3,400	3,400		
	** STATE/COUNTRY TOTAL:	6,900	6,900		
OVERSEAS	BASE 30-CLASS LOCATION				820
	TR-1-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,950	2,950	40	821
	* BASE TOTAL:	2,950	2,950		

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OVERSEAS (CON'T)	BASE 33-CLASS LOCATION				823
	C-130-ADD TO AND ALTER FIRE STATION	770	770	40	829
	C-130-CENTRAL SECURITY CONTROL	2,200	2,200	40	825
	C-130-SENSITIVE COMPARTMENTED INFORMATION FACILITY	1,500	1,500	35	827
	* BASE TOTAL:	4,470	4,470		
	CLASSIFIED LOCATION				851
	STORAGE FACILITY	11,500	11,500	N/A	852
	* BASE TOTAL:	11,500	11,500		
	VARIOUS LOCATIONS				1013
	AUXILIARY SEISMIC NETWORK	3,953	3,953	35	1014
	* BASE TOTAL:	3,953	3,953		
	** STATE/COUNTRY TOTAL:	22,873	22,873		
PHILIPPINES	CLARK AB				668
	PARALLEL RUNWAY	32,500	32,500	35	670
	PETROLEUM OPERATIONS FACILITY	1,650	1,650	95	673
	FIRE STATION	760	760	35	1114
	COPE THUNDER OPERATIONS FACILITY	4,650	4,650	35	675
	ESSENTIAL MAINTENANCE FACILITIES-PHASE II	4,600	4,600	85	678
	AEROSPACE SYSTEMS BRANCH/ ENGINE DISPATCH FACILITY	1,050	1,050	95	680
	PORTOMOD WAREHOUSE	460	460	35	1115
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5,000	5,000	35	683
	CHILD CARE CENTER	2,000	2,000	35	685
	UPGRADE POWER PLANT - PHASE IV	8,600	8,600	60	687
	* BASE TOTAL:	61,270	61,270		
	** STATE/COUNTRY TOTAL:	61,270	61,270		

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PORTUGAL	LAJES FIELD				650
	HYDRANT REFUELING SYSTEM	8,300	8,300	2	651
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,750	4,750	100	653
	UNACCOMPANIED OFFICER PERSONNEL HOUSING	2,700	2,700	100	655
	* BASE TOTAL:	15,750	15,750		
	** STATE/COUNTRY TOTAL:	15,750	15,750		
SPAIN	TORREJON AB				1001
	SATELLITE COMMUNICATIONS GROUND TERMINAL	1,450	1,450	35	1002
	* BASE TOTAL:	1,450	1,450		
	ZARAGOZA AB				1050
	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	540	540	35	1115
	* BASE TOTAL:	540	540		
	** STATE/COUNTRY TOTAL:	1,990	1,990		
TURKEY	ANKARA AB				807
	CONSOLIDATED SUPPORT CENTER	3,050	3,050	35	808
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	930	930	35	1116
	DINING HALL	1,250	1,250	40	811
	CHAPEL CENTER	1,550	1,550	40	813
	* BASE TOTAL:	6,780	6,780		
	INCIRLIK AB				902
	VEHICLE MAINTENANCE COMPLEX	4,800	4,800	45	904
	MEDICAL CONTINGENCY FACILITY	0	820	100	1116
	WAREHOUSE	1,650	1,650	100	906
	BASE SUPPLY ADMINISTRATION FACILITY	1,200	1,200	35	908
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,250	2,250	40	910
	DINING HALL	2,350	2,350	50	912
	VISITING OFFICER QUARTERS	3,400	3,400	45	914
	POST OFFICE	510	510	95	1116
	* BASE TOTAL:	16,160	16,980		

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TURKEY (CON'T)	PIRINCLIK AB				939
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	3,000	45	940
	* BASE TOTAL:	3,000	3,000		
	** STATE/COUNTRY TOTAL:	25,940	26,760		
UNITED KINGDOM	ALCONBURY RAF				788
	DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	797
	BASE OPERATIONS FACILITY	0	900	100	1117
	AIRCRAFT MAINTENANCE FACILITY	640	640	35	1117
	TR-1-AIRCRAFT MAINTENANCE FACILITY	680	680	35	804
	GLCM-CONSOLIDATED SUPPORT CENTER	8,800	8,800	35	791
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,450	2,450	35	805
	TR-1-VISITING AIRMEN QUARTERS	1,300	1,300	35	800
	GLCM-ADD TO AND ALTER PHYSICAL TRAINING FACILITY	2,100	2,100	60	793
	TR-1-LIBRARY	1,050	1,050	45	802
	GLCM-BASE THEATER	1,300	1,300	35	795
	* BASE TOTAL:	19,520	20,420		
	BENTWATERS RAF				830
	DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	831
	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	1,250	1,250	50	833
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,700	3,700	35	835
	CENTRAL POST OFFICE	650	650	40	1117
	RECREATION CENTER	2,250	2,250	45	837
	WATER STORAGE AND DISTRIBUTION SYSTEM	1,400	1,400	35	839
	* BASE TOTAL:	10,450	10,450		
	CHICKSANDS RAF				850
	ADD/ALTER WATER DISTRIBUTION SYSTEM	950	950	60	1118
	* BASE TOTAL:	950	950		

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UNITED KINGDOM (CON'T)	CROUGHTON RAF				861
	TELECOMMUNICATIONS FACILITY	630	630	35	1118
	* BASE TOTAL:	630	630		
	FAIRFORD RAF				866
	ORGANIZATIONAL MAINTENANCE AND SUPPORT EQUIPMENT COMPLEX	2,750	2,750	75	867
	ADD TO AND ALTER VEHICLE MAINTENANCE FACILITY	1,700	1,700	35	869
	* BASE TOTAL:	4,450	4,450		
	GREENHAM COMMON RAF				880
	GLCM-TEMPORARY LIVING FACILITY	2,100	2,100	35	881
	* BASE TOTAL:	2,100	2,100		
	LAKENHEATH RAF				917
	BASE SUPPLY STORAGE SHED	500	500	35	1118
	POST OFFICE	1,200	1,200	35	918
	GYMNASIUM	0	2,500	90	920
	* BASE TOTAL:	1,700	4,200		
	MARTLESHAM HEATH RAF				925
	DIGITAL EUROPEAN BACKBONE FACILITY	1,650	1.650	35	926
	* BASE TOTAL:	1,650	1,650		
	MILDENHALL RAF				928
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,700	4,700	35	929
	* BASE TOTAL:	4,700	4,700		
	MOLESWORTH RAF				931
	CHEM WARFARE PROTECT-CENTRAL SECURITY CONTROL FACILITY	1,050	1,050	50	932
	CHEM WARFARE PROTECT-WING COMMAND POST FACILITY	1,050	1,050	10	934
	GLCM-BASE CIVIL ENGINEER COMPLEX	330	330	50	1119
	* BASE TOTAL:	2,430	2,430		

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STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH. AMOUNT	APPR. AMOUNT	% DES	PAGE
UNITED KINGDOM (CON'T)	UPPER HEYFORD RAF				1004
	DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	1005
	ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	2,300	2,300	55	1007
	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,500	4,500	35	1009
	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	6,000	6,000	35	1011
	* BASE TOTAL:	14,000	14,000		
	WELFORD RAF				1019
	MUNITIONS SURVEILLANCE AND INSPECTION SHOP	760	760	35	1119
	GROUND DEFENSE MUNITIONS STORAGE IGLOOS	830	830	80	1120
	* BASE TOTAL:	1,590	1,590		
	WETHERSFIELD RAF				1020
	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	650	650	50	1120
	* BASE TOTAL:	650	650		
	WOODBRIDGE				1044
	CORROSION CONTROL FACILITY	3,400	3,400	45	1045
	SUPPLY WAREHOUSE	1,650	1,650	35	1047
	* BASE TOTAL:	5,050	5,050		
	** STATE/COUNTRY TOTAL:	69,870	73,270		
OUTSIDE UNITED STATES TOTAL:		533,828	549,808		

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STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH. AMOUNT	APPR. AMOUNT	% DES	PAGE
WORLDWIDE	VARIOUS LOCATIONS PLANNING AND DESIGN	127,260	127,260	N/A	1072
	VARIOUS LOCATIONS UNSPECIFIED MINOR CONSTRUCTION	16,000	16,000	N/A	1073
	* BASE TOTAL:	143,260	143,260		
	** STATE/COUNTRY TOTAL:	143,260	143,260		

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INSTALLATION	HOST COMMAND	STATE/COUNTRY	PAGE NO.
ALCONBURY RAF	AFE	UNITED KINGDOM	788
ALTUS AFB	AFE	OKLAHOMA	205
ANDERSEN AFB	SAC	GUAM	771
ANDREWS AFB	MAC	MARYLAND	206
ANKARA AB	AFE	TURKEY	807
ARNOLD ENGRG DEV CTR	SYS	TENNESSEE	90
AVIANO AB	AFE	ITALY	815
AVON PARK	TAC	FLORIDA	497
BANGOR IAP	TAC	MAINE	499
BASE 18-CLASS LOCATION	SAC	CONUS	285
BASE 30-CLASS LOCATION	AFE	OVERSEAS	820
BASE 33-CLASS LOCATION	AFE	OVERSEAS	823
BASE 37-CLASS LOCATION	TAC	CONUS	501
BASE 38-CLASS LOCATION	TAC	CONUS	514
BASE 39-CLASS LOCATION	TAC	CONUS	525
BASE 43-CLASS LOCATION	SAC	CONUS	303
BEALE AFB	SAC	CALIFORNIA	307
BENTWATERS RAF	AFE	UNITED KINGDOM	830
BERGSTROM AFB	TAC	TEXAS	528
BITBURG AB	AFE	GERMANY	841
BLYTHEVILLE AFB	SAC	ARKANSAS	314
CAMP DARBY	AFE	ITALY	844
CAMP HUMPHREYS	PAF	KOREA	662
CAMP NEW AMSTERDAM	AFE	NETHERLANDS	845
CAMP RED CLOUD	PAF	KOREA	665
CAPE COD AFS	SPC	MASSACHUSETTS	266
CARSWELL AFB	SAC	TEXAS	319
CASTLE AFB	SAC	CALIFORNIA	320
CAVALIER AFS	SPC	NORTH DAKOTA	269
CHANUTE AFB	ATC	ILLINOIS	122
CHARLESTON AFB	MAC	SOUTH CAROLINA	210
CHICKSANDS RAF	AFE	UNITED KINGDOM	850
CLARK AB	PAF	REPUBLIC OF PHILIPPINES	668
CLASSIFIED LOCATION	AFE	EUROPE	851
COMISO AS	AFE	ITALY	851
CROUGHTON RAF	AFE	UNITED KINGDOM	861
DAVIS-MONTHAN AFB	TAC	ARIZONA	535
DECIMOMANNU AB	AFE	ITALY	862
DIEGO GARCIA AB	PAF	INDIAN OCEAN	690
DYESS AFB	SAC	TEXAS	323

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INSTALLATION	HOST COMMAND	STATE/COUNTRY	PAGE NO.
EDWARDS AFB	SYS	CALIFORNIA	93
EGLIN AFB	SYS	FLORIDA	103
EIELSON AFB	AAC	ALASKA	168
EINSIEDLERHOF AB	AFE	GERMANY	863
ELLSWORTH AFB	SAC	SOUTH DAKOTA	326
ELMENDORF AFB	AAC	ALASKA	182
ENGLAND AFB	TAC	LOUISIANA	547
F E WARREN AFB	SAC	WYOMING	329
FALCON AFS	SPC	COLORADO	274
FAIRCHILD AFB	SAC	WASHINGTON	334
FAIRFORD RAF	AFE	UNITED KINGDOM	866
FLORENNES AB	AFE	BELGIUM	871
FT MACARTHUR	SYS	CALIFORNIA	106
GALENA AFB	AAC	ALASKA	189
GEORGE AFB	TAC	CALIFORNIA	550
GOODFELLOW AFB	ATC	TEXAS	127
GRAND FORKS AFB	SAC	NORTH DAKOTA	340
GREENHAM COMMON RAF	AFE	UNITED KINGDOM	880
GRIFFISS AFB	SAC	NEW YORK	363
GRISSOM AFB	SAC	INDIANA	366
GUNTER AFS	AU	ALABAMA	155
HAHN AB	AFE	GERMANY	883
HANSCOM AFB	SYS	MASSACHUSETTS	109
HESSISCH OLDENDORF AS	AFE	GERMANY	899
HICKAM AFB	PAF	HAWAII	260
HILL AFB	LOG	UTAH	6
HOLLOMAN AFB	TAC	NEW MEXICO	558
HOMESTEAD AFB	TAC	FLORIDA	569
HOLBROOK RBS	SAC	ARIZONA	369
INCIRLIK AB	AFE	TURKEY	902
INDIAN SPRINGS	TAC	NEVADA	575
IRAKLION AB	AFE	GREECE	916

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INSTALLATION	HOST COMMAND	STATE/COUNTRY	PAGE NO.
K.I. SAWYER AFB	SAC	MICHIGAN	370
KADENA AB	PAF	JAPAN	693
KEESLER AFB	ATC	MISSISSIPPI	130
KELLY AFB	LOG	TEXAS	21
KIMHAE AB	PAF	KOREA	697
KING SALMON AIRPORT	AAC	ALASKA	194
KIRTLAND AFB	MAC	NEW MEXICO	215
KUNSAN AB	PAF	KOREA	700
KWANG-JU AB	PAF	KOREA	715
KEFLAVIK NAS	TAC	ICELAND	775
LA JUNTA RBSC	SAC	COLORADO	371
LACKLAND AFB	ATC	TEXAS	131
LAJES FIELD	MAC	PORTUGAL	650
LAKENHEATH RAF	AFE	UNITED KINGDOM	917
LANGLEY AFB	TAC	VIRGINIA	578
LAUGHLIN AFB	ATC	TEXAS	136
LINDSEY AS	AFE	GERMANY	922
LITTLE ROCK AFB	MAC	ARKANSAS	222
LORING AFB	SAC	MAINE	381
LUKE AFB	TAC	ARIZONA	594
MACDILL AFB	TAC	FLORIDA	601
MALMSTROM AFB	SAC	MONTANA	387
MARCH AFB	SAC	CALIFORNIA	390
MARTLESHAM HEATH RAF	AFE	UNITED KINGDOM	925
MASIRAH	TAC	OMAN	779
MATHER AFB	ATC	CALIFORNIA	139
MAXWELL AFB	AU	ALABAMA	158
MCCHORD AFB	MAC	WASHINGTON	226
MCCLELLAN AFB	LOG	CALIFORNIA	29
MCCONNELL AFB	SAC	KANSAS	397
MCGUIRE AFB	MAC	NEW JERSEY	231
MILDENHALL RAF	AFE	UNITED KINGDOM	928
MINOT AFB	SAC	NORTH DAKOTA	430
MISAWA AB	PAF	JAPAN	716
MOLESWORTH RAF	AFE	UNITED KINGDOM	931
MOODY AFB	TAC	GEORGIA	606
MOROCCO	AFE	MOROCCO	936
MOUNTAIN HOME AFB	TAC	IDAHO	607
MYRTLE BEACH AFB	TAC	SOUTH CAROLINA	613

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NELLIS AFB	TAC	NEVADA	617
NEWARK AFB	LOG	OHIO	40
NORTON AFB	MAC	CALIFORNIA	236
OFFUTT AFB	SAC	NEBRASKA	449
OSAN AB	PAF	KOREA	722
PATRICK AFB	SYS	FLORIDA	115
PEASE AFB	SAC	NEW HAMPSHIRE	460
PETERSON AFB	SPC	COLORADO	277
PIRINCLIK AS	SPC	TURKEY	939
PLATTSBURGH AFB	SAC	NEW YORK	465
POPE AFB	MAC	NORTH CAROLINA	239
PRUEM AS	AFE	GERMANY	942
RAMSTEIN AB	AFE	GERMANY	945
RANDOLPH AFB	ATC	TEXAS	142
RHEIN-MAIN AB	MAC	GERMANY	657
ROBINS AFB	LOG	GEORGIA	44
SAIPAN	PAF	MARIANA ISLANDS	735
SAN VITO AS	AFE	ITALY	976
SCOTT AFB	MAC	ILLINOIS	244
SEMBACH AB	AFE	GERMANY	981
SEYMOUR-JOHNSON AFB	TAC	NORTH CAROLINA	627
SHAW AFB	TAC	SOUTH CAROLINA	630
SHEMYA AFB	AAC	ALASKA	197
SHEPPARD AFB	ATC	TEXAS	146
SONDRESTROM AB	AFE	GREENLAND	754
SPANGDAHLEM AB	AFE	GERMANY	988
SUNNYVALE AFS	SYS	CALIFORNIA	118
SUWON AB	PAF	KOREA	738
TAEGU AB	PAF	KOREA	741
THULE AB	SPC	GREENLAND	757
THUMRAIT	TAC	OMAN	782
TINKER AFB	LOG	OKLAHOMA	55
TORREJON AB	AFE	SPAIN	1001
TOTSUKA NRTF	PAF	JAPAN	748
TRAVIS AFB	MAC	CALIFORNIA	248
TYNDALL AFB	TAC	FLORIDA	635

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INSTALLATION	HOST COMMAND	STATE/COUNTRY	PAGE NO.
UPPER HEYFORD RAF	AFE	UNITED KINGDOM	1004
USAF ACADEMY	ACD	COLORADO	644
UNSPECIFIED LOCATION	SPP	CONUS	283
VANDENBERG AFB	SAC	CALIFORNIA	474
VARIOUS LOCATIONS	SPT	OVERSEAS	1013
WELFORD RAF	AFE	UNITED KINGDOM	1019
WEST CONUS	TAC	VARIOUS	638
WETHERSFIELD RAF	AFE	UNITED KINGDOM	1020
WHITEMAN AFB	SAC	MISSOURI	477
WILLIAMS AFB	ATC	ARIZONA	150
WOENSDRECHT AB	AFE	NETHERLANDS	1021
WRIGHT-PATTERSON AFB	LOG	OHIO	75
WURTSMITH AFB	SAC	MICHIGAN	484
WOODBRIDGE RAF	AFE	UNITED KINGDOM	1044
WUESCHHEIM	AFE	GERMANY	1049
WOOMERA AS	SPC	AUSTRALIA	766
YOKOTA AB	PAF	JAPAN	750
YOKOSUKA NRTF	PAF	JAPAN	749
ZARAGOZA AB	AFE	SPAIN	1050
ZWEIBRUCKEN AB	AFE	GERMANY	1051

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Air Force as currently authorized by law, $1,773,200,000 to remain available until September 30, 1991: Provided: That of this amount, not to exceed $127,260,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and reasons therefore. (10 U.S.C. 2675, 2802-05, 2807, 2828, 2852-54, 2857; Military Construction Appropriations Act, 1986; additional authorizing legislation to be proposed).

Military Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	57-3300-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	1,396,875	1,472,985	1,597,240	1,434,579	1,619,540	1,621,461
00.0201	Minor construction	21,000	15,000	16,000	21,387	19,910	27,227
00.0301	Planning	143,900	134,000	127,260	137,261	136,523	144,959
00.0401	Supporting activities	10,880	41,240	32,700	17,371	11,864	20,031
00.9101	Total direct program	1,572,655	1,663,225	1,773,200	1,610,598	1,789,837	1,813,678
01.0101	Reimbursable program	1,938	17,000	15,000	6,174	17,000	15,000
10.0001	Total	1,574,593	1,680,225	1,788,200	1,616,772	1,806,837	1,828,678
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-1,938	-17,000	-15,000	5,636	-17,000	-15,000
17.0001	Recovery of prior year obligations				-3,250		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-1,218,882	-1,166,383	-1,039,771
21.4007	Reprograming from/to prior year budget pla	-5,995					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				1,166,383	1,039,771	999,293
25.0001	Unobligated balance lapsing	5,995			5,995		
40.0001	Budget authority (Appropriation)	1,572,655	1,663,225	1,773,200	1,572,655	1,663,225	1,773,200
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				1,622,408	1,789,837	1,813,678
72.4001	Obligated balance, start of year				1,380,122	1,616,285	2,023,946
74.4001	Obligated balance, end of year				-1,616,285	-2,023,946	-2,472,497
77.0001	Adjustments in expired accounts				3,876		
78.0001	Adjustments in unexpired accounts				-3,250		
90.0001	Outlays				1,386,872	1,382,176	1,365,127

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1981

Identification code 57-3300-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction				12,733		
00.0201 Minor construction				73		
00.0301 Planning				3,240		
10.0001 Total				16,046		
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)				48		
17.0001 Recovery of prior year obligations				-25		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-22,064		
21.4007 Reprograming from/to prior year budget pla	-5,995					
25.0001 Unobligated balance lapsing	5,995			5,995		
39.0001 Budget authority						

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1982

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
Identification code	57-3300-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00 0101	Major construction				73,431	115,072	
00.0201	Minor construction				905	1,000	
00.0301	Planning				830		
00.0401	Supporting activities				6,326		
10.0001	Total				81,492	116,072	
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				330		
17.0001	Recovery of prior year obligations				-363		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-197,531	-116,072	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				116,072		
39.0001	Budget authority						

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1983

Identification code 57-3300-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				133,886	108,785	78,456
00.0201	Minor construction				2,937	3,741	2,698
00.0301	Planning				2,891	3,706	2,672
00.0401	Supporting activities				17	1,116	806
10.0001	Total				139,731	117,348	84,632
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				2,634		
17.0001	Recovery of prior year obligations				-1,750		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-342,595	-201,980	-84,632
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				201,980	84,632	
39.0001	Budget authority						

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1984

Identification code 57-3300-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction				285,279	166,352	98,326
00.0201	Minor construction				1,511	2,000	1,786
00.0301	Planning				9,600	3,929	571
00 0401	Supporting activities				1,121	100	82
00.9101	Total direct program				297,511	172,381	100,765
01.0101	Reimbursable program				4,236		
10.0001	Total				301,747	172,381	100,765
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)				4,562		
17.0001	Recovery of prior year obligations				-1,112		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-656,692	-351,495	-179,114
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				351,495	179,114	78,349
39.0001	Budget authority						

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

Identification code 57-3300-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	1,396,875			929,250	278,402	104,620
00.0201	Minor construction	21,000			15,961	3,169	1,743
00.0301	Planning	143,900			120,700	9,847	3,716
00.0401	Supporting activities	10,880			9,907	669	143
00.9101	Total direct program	1,572,655			1,075,818	292,087	110,222
01.0101	Reimbursable program	1,938			1,938		
10.0001	Total	1,574,593			1,077,756	292,087	110,222
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-1,938			-1,938		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans					-496,836	-204,749
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				496,836	204,749	94,527
40.0001	Budget authority (Appropriation)	1,572,655			1,572,655		

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
Identification code	57-3300-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction		1,472,985			950,929	327,847
00.0201	Minor construction		15,000			10,000	5,000
00.0301	Planning		134,000			121,041	12,000
00.0401	Supporting activities		41,240			9,979	8,000
00.9101	Total direct program		1,663,225			1,091,949	352,847
01.0101	Reimbursable program		17,000			17,000	
10.0001	Total		1,680,225			1,108,949	352,847
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)		-17,000			-17,000	
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						-571,276
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					571,276	218,429
40.0001	Budget authority (Appropriation)		1,663,225			1,663,225	

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
Identification code	57-3300-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction			1,597,240			1,012,212
00.0201	Minor construction			16,000			16,000
00.0301	Planning			127,260			126,000
00.0401	Supporting activities			32,700			11,000
00.9101	Total direct program			1,773,200			1,165,212
01.0101	Reimbursable program			15,000			15,000
10.0001	Total			1,788,200			1,180,212
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)			-15,000			-15,000
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans						607,988
40.0001	Budget authority (Appropriation)			1,773,200			1,773,200

Military Construction, Air Force
Object Classification (in Thousands of dollars) SUMMARY

Identification code 57-3300-0-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Other services:			
125.004	Other	13,920	17,708	18,564
132.001	Lands and structures	187,352	145,327	67,385
199.001	Total Direct obligations	201,272	163,035	85,949
	Reimbursable obligations:			
232.001	Lands and structures	6,174	17,000	15,000
299.001	Total Reimbursable obligations	6,174	17,000	15,000
	Allocation Accounts			
	Other services:			
325.004	Other	131,850	119,987	135,129
332.001	Lands and structures	1,277,476	1,506,815	1,592,600
399.001	Total Allocation Accounts	1,409,326	1,626,802	1,727,729
999.901	Total obligations	1,616,772	1,806,837	1,828,678
	Obligations are distributed as follows:			
	Defense-Military:Army	1,144,364	1,328,088	1,405,552
	Defense-Military:Navy	253,102	284,590	301,190
	Defense-Military:Air Force	207,446	180,035	100,949
	Department of Transportation	11,860	14,124	20,987
	Total Obligations	1,616,772	1,806,837	1,828,678

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1987

ECONOMIC PROVISIONS

The construction projects included in the Air Force program reflect economies and efficiencies in the use of facility resources. Economic analysis was used in the evaluation of specific projects, where pertinent.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

ENVIRONMENTAL STATEMENT

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EAIP) has been completed or is actively underway for all projects in the Air Force FY 1987 Military Construction Program.

EVALUATION OF FLOODPLAINS AND WETLANDS

All projects in the program have been evaluated for compliance with Executive orders 11988, Floodplain Management, and 11990, Protection of Wetlands, and the Floodplain Management Guidelines of the U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1987
SUMMARY BY COMMAND

INSIDE THE UNITED STATES	($000) AUTHORIZATION FOR APPROPRIATION	($000) APPROPRIATION	PAGE NUMBER
Air Force Logistics Command	185,805	185,805	4
Air Force Systems Command	34,500	34,500	89
Air Training Command	63,360	79,060	121
Air University	8,210	10,010	154
Alaskan Air Command	66,910	66,910	167
Military Airlift Command	113,425	121,125	204
Pacific Air Forces	5,850	5,850	259
Space Command	22,150	22,150	265
Special Project	37,056	37,056	282
Strategic Air Command	291,516	293,716	284
Tactical Air Command	191,130	210,730	496
United States Air Force Academy	5,820	13,220	643
	1,025,732	1,080,132	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1987
SUMMARY BY COMMAND

OUTSIDE THE UNITED STATES	($000) AUTHORIZATION FOR APPROPRIATION	($000) APPROPRIATION	PAGE NUMBER
Military Airlift Command	17,050	17,050	649
Pacific Air Forces	146,845	149,745	660
Space Command	17,950	17,950	753
Strategic Air Command	7,600	7,600	770
Tactical Air Command	8,500	8,500	774
United States Air Forces in Europe	335,883	348,963	785
	533,828	549,808	
WORLDWIDE			
Unspecified Minor Construction	16,000	16,000	1073
Planning and Design	127,260	127,260	1072
TOTAL FOR SUPPORT ACTIVITIES WORLDWIDE	143,260	143,260	
GRAND TOTAL	1,702,820	1,773,200	
CATEGORY OF PROJECTS LISTED UNDER COMMANDS			
Defense Access Roads			1061
Energy			1065
Water Pollution			1102A
Projects $1 Million and Under			1074
ENERGY CONSERVATION VARIOUS LOCATIONS (NOT AUTHORIZED FOR APPROPRIATION, APPROPRIATION NOT REQUESTED- SEE SEC 603)	10,000		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
AIR FORCE LOGISTICS COMMAND				
HILL AFB, UT				6
GAPFILLER RADAR FACILITY	1,300	1,300	40	8
DEPOT INSTRUMENT OVERHAUL SHOP	1,550	1,550	100	10
PEACEKEEPER - SYSTEM ENGINEERING TEST SILO	4,000	4,000	50	13
PEACEKEEPER - AND TO AND ALTER STAGE I STORAGE	1,000	1,000	100	1102
LOGISTICS SYSTEMS OPERATIONS CENTER	11,500	11,500	65	15
ADD TO WATER SUPPLY AND DISTRIBUTION SYSTEM	1,200	1,200	35	18
BASE SUBTOTAL:	20,550	20,550		
KELLY AFB, TX				21
FUEL SYSTEMS ACCESSORIES TEST FACILITY	10,900	10,900	35	23
WEAPONS SYSTEMS SUPPORT CENTER	39,000	39,000	35	26
BASE SUBTOTAL:	49,900	49,900		
MCCLELLAN AFB, CA				29
DEPOT FLIGHT INSTRUMENT OVERHAUL FACILITY	9,400	9,400	60	31
AMMUNITION STORAGE COMPLEX/LAND ACQUISITION	4,300	4,300	75	34
ADD TO AND ALTER DEPOT WAREHOUSE	9,400	9,400	70	37
REGIONAL WASTEWATER CONNECTION	5,800	5,800	80	1120B
BASE SUBTOTAL:	28,900	28,900		
NEWARK AFB, OH				40
RADIAC LABORATORY	3,000	3,000	100	41
BASE SUBTOTAL:	3,000	3,000		
ROBINS AFB, GA				44
DANGEROUS CARGO PAD	2,700	2,700	100	45
KC-135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	660	660	35	1086
SOUND SUPPRESSOR SUPPORT	740	740	100	1086
ADD TO AND ALTER AVIONICS REPAIR FACILITY	6,455	6,455	35	47
HIGH DENSITY STORAGE FACILITIES	3,800	3,800	100	50
AIRCRAFT UTILITY OUTLETS	1,700	1,700	100	52
BASE SUBTOTAL:	16,055	16,055		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
TINKER AFB, OK				55
AIRCRAFT MAINTENANCE HANGAR	15,000	15,000	35	57
ADD TO AND ALTER HEAT TREATMENT FACILITY	2,300	2,300	35	60
ADD TO AND ALTER ENGINE TUBING AND ACCESSORIES SHOP	1,650	1,650	35	63
ALTER F-107 ENGINE FACILITY	1,350	1,350	35	66
ADD TO AND ALTER HAZARDOUS STORAGE FACILITY	1,800	1,800	98	69
WAREHOUSE	10,800	10,800	90	72
BASE SUBTOTAL:	32,900	32,900		
WRIGHT-PATTERSON AFB, OH				75
AIRCRAFT SUPPORT EQUIPMENT FACILITY	3,300	3,300	65	77
ADD TO AND ALTER BIOCOMMUNICATIONS LABORATORY	7,400	7,400	55	80
ADD/ALTER AIRCRAFT FIRE PROTECTION/ EXPLOSION RESEARCH LAB	2,850	2,850	100	82
ACCESS ROAD	15,000	15,000		1063
ROAD	3,600	3,600	85	85
HANGAR FIRE PROTECTION SYSTEM	2,350	2,350	96	87
BASE SUBTOTAL:	34,500	34,500		
COMMAND TOTAL:	185,805	185,805		

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
HILL AIR FORCE BASE, UTAH	AIR FORCE LOGISTICS COMMAND	1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	702	4,631	14469	0	0	0	1	0	134	19,937
b. END FY 19 91	678	4,147	15119	0	0	0	1	0	134	20,079

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (22,901)	
b. INVENTORY TOTAL AS OF 30 Sept 85	388,000
c. AUTHORIZATION NOT YET IN INVENTORY	28,280
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,550
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	39,660
f. PLANNED IN NEXT THREE PROGRAM YEARS	115,190
g. REMAINING DEFICIENCY	211,800
h. GRAND TOTAL	803,480

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-143	Gapfiller Radar Facility	1,000	SF	1,300	Jun 85	Sep 86
211-271	Depot Instrument Overhaul Shop	5,500	SF	1,550	May 84	Oct 85
390-531	Peacekeeper-System Engineering Test Silo		LS	4,000	Apr 85	Aug 86
422-256	Peacekeeper-Add to and Alter Stage I Storage	9,600	SF	1,000	Apr 85	Jan 86
610-711	Logistics Systems Operations Center	90,500	SF	11,500	Jun 84	Jul 86
841-166	Add to Water Supply and Distribution System		LS	1,200	Jul 84	Aug 86
	Total			20,550		

9. Future Projects: (a) Included in Following Program (FY 88):

131-111	Command, Control & Communications Facility	52,600	SF	7,660
141-165	Explosive Ordnance Disposal Facility	18,400	SF	2,700
211-254	Structural Repair and Maintenance Facility	284,000	SF	27,700
212-216	Missile Maintenance Shop	9,300	SF	2,300
	Total			39,660

(b) Typical Planned Next Three Years:

441-758	Depot Warehouse	328,000	SF	20,000

10. Mission or Major Functions: Includes an Air Logistics Center responsible for logistics management, support and depot level maintenance for the F-4 and F-16 aircraft, and ICBMs. Technology Repair Center for aircraft weapons systems, air munitions, ICBM components, aircraft landing gear and navigational instrumentation. Other active mission activities include a tactical fighter wing with four squadrons operating F-16 aircraft; an Air Force Reserve tactical fighter wing operating F-16 aircraft; a Military Airlift Command rescue and recovery squadron and detachment with UH-1N aircraft; and an Air Force Systems Command Test

1. COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
HILL AIR FORCE BASE, UTAH

4. COMMAND
AIR FORCE
LOGISTICS COMMAND

5. AREA CONSTR COST INDEX
1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

Group operating various models of C-130, H-53, H-3, and O-2 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	4 PROJECT TITLE GAPFILLER RADAR FACILITY

5 PROGRAM ELEMENT 7.80.19	6 CATEGORY CODE 131-143	7 PROJECT NUMBER FSPM860006	8 PROJECT COST ($000) 1,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GAPFILLER RADAR FACILITY	SF	1,000	110	110
SUPPORTING FACILITIES	LS			1,060
PAVEMENTS	LS			(285)
SITE IMPROVEMENTS	LS			(255)
ELECTRICAL UTILITIES	LS			(520)
SUBTOTAL				1,170
CONTINGENCY (5%)				59
TOTAL CONTRACT COST				1,229
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				68
TOTAL REQUEST				1,297
TOTAL REQUEST (ROUNDED)				1,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(6,275)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Work includes concrete grade slab and equipment pads, pre-engineered metal building, graded gravel access road and parking area. Project includes all necessary utilities and site improvements.

11. REQUIREMENT: As required

PROJECT: Construct a Gapfiller radar site.

REQUIREMENT: Gapfiller radar systems are required to provide radar surveillance and aircraft intercept control within the Utah Test and Training Range (UTTR) restricted airspace and military operating area.

CURRENT SITUATION: The existing airspace surveillance capability does not satisfy the operational needs of present and projected operations at the UTTR. Only about 30% of the airspace below 5,000 feet above ground level can be observed by the current radars due to the mountainous terrain and the distances between radars. Most of the test and training activities require aircraft operations at altitudes below 5,000 feet. Much of the heavily used range area is outside of surveillance, precluding efficient use of available airspace for multiple missions and diluting the utility of the range. This project supports installation of the first of four gapfiller radars for the UTTR.

IMPACT IF NOT PROVIDED: Inefficient utilization of available airspace will continue to result in test delays. There will be a high safety risk due to the lack of radar coverage in a high traffic area.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

HILL AIR FORCE BASE, UTAH

4 PROJECT TITLE GAPFILLER RADAR FACILITY	5 PROJECT NUMBER FSPM860006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 21
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 09
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	1
	(b) All Other Design Costs	103
	(c) Total	104
	(d) Contract	5
	(e) In-house	99
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Radar Instruments, Spares	3600	87	5,719
Beacon	3600	87	130
Microwave	3600	87	128
Radio, Controls, Antennas	3600	87	164
Generators, Battery Float	3600	87	134

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	4 PROJECT TITLE DEPOT INSTRUMENT OVERHAUL SHOP

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 211-271	7 PROJECT NUMBER KRSM860086	8 PROJECT COST ($000) 1,550

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DEPOT INSTRUMENT OVERHAUL SHOP	SF	5,500	200	1,100
SUPPORTING FACILITIES				295
UTILITIES	LS			(225)
PAVEMENTS	LS			(55)
SITE IMPROVEMENTS	LS			(15)
SUBTOTAL				1,395
CONTINGENCY (5%)				70
TOTAL CONTRACT COST				1,465
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				81
TOTAL REQUEST				1,546
TOTAL REQUEST (ROUNDED)				1,550

10 DESCRIPTION OF PROPOSED CONSTRUCTION Nonmagnetic concrete foundation and floor slab, tiltup concrete walls, and builtup roof. All plumbing and reinforcing in the test calibration area must be nonferrous. Facility to include equipment and sealing rooms, restrooms, break room, support space, mechanical room, and supporting facilities.

Air Conditioning: 20 Tons.

11. REQUIREMENT: 5,500 SF ADEQUATE: 0 SUBSTANDARD 5,190 SF

PROJECT: Construct an aircraft instrument facility to support depot maintenance, overhaul, modifications, and testing of magnetic azimuth detectors (compass).

REQUIREMENT: A facility of adequate size and configuration is required to repair, test, and calibrate over 2,200 magnetic azimuth detectors annually in support of all DOD aircraft using magnetic azimuth detectors. The facility must be located in an area of low magnetic interference and configured to meet specific test station orientation to further reduce magnetic disturbances. These instruments are much more sensitive than existing instruments and cannot be tested and calibrated in the existing facility.

CURRENT SITUATION: The present location was originally chosen for the availability of existing buildings and the stability (minimum disturbance) of the earth's magnetic field. The overall magnetic stability in the area is only marginal, resulting in an excessive amount of rework in testing and calibrating of the current instrument workload. The magnetic azimuth detector installed in the F-15 aircraft are approximately 12 times more sensitive than the previous models. These state-of-the-art

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4 PROJECT TITLE DEPOT INSTRUMENT OVERHAUL SHOP		5. PROJECT NUMBER KRSM860086

instruments cannot be tested and calibrated in the existing facilities due to excessive magnetic interference. Construction of an explosives operation building and safety criteria changes requires that the instrument overhaul function be relocated outside of the hazardous area. The instrument overhaul function is operating under an explosive safety waiver. The present facilities used to repair and test the magnetic azimuth detector field calibration equipment sets consist of a salvaged bare base shelter, a small wooden shelter with no utilities and a portable latrine. These facilities will be disposed of upon completion of this project. This project will amortize in 1.5 years.
IMPACT IF NOT PROVIDED: Failure to construct this facility will result in the eventual loss of the DOD organic capability as the existing facilities cannot support the overhaul of the state-of-the-art instruments.
ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in March 1983.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4. PROJECT TITLE DEPOT INSTRUMENT OVERHAUL SHOP		5. PROJECT NUMBER KRSM860086

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 MAY 24
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 OCT 15

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	53
(b) All Other Design Costs	63
(c) Total	116
(d) Contract	58
(e) In-house	58

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19__ MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4 PROJECT TITLE PEACEKEEPER - SYSTEM ENGINEERING TEST SILO	
5 PROGRAM ELEMENT 1.12.15	6 CATEGORY CODE 390-531	7 PROJECT NUMBER KRSM870080	8 PROJECT COST ($000) 4,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PEACEKEEPER - SYSTEM ENGINEERING TEST SILO	LS			3,510
LAUNCH TUBE/EQUIPMENT ROOM	LS			(3,415)
LAUNCH SUPPORT BUILDING	LS			(95)
SUPPORTING FACILITIES				100
UTILITIES	LS			(50)
SITE IMPROVEMENTS	LS			(40)
FUEL SYSTEM	LS			(10)
SUBTOTAL				3,610
CONTINGENCY (5%)				181
TOTAL CONTRACT COST				3,791
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				209
TOTAL REQUEST				4,000
TOTAL REQUEST (ROUNDED)				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction is reinforced concrete underground silo.

11. REQUIREMENT: As Required.

PROJECT: Construct a Peacekeeper test launch facility.

REQUIREMENT: A test silo for the Peacekeeper is required to provide the necessary "state-of-the-art" technology that insures missile system integrity, and measures the degradation of the Peacekeeper system during its aging process. The ability to perform simulated weapon communication traffic between the Launch Facility (LF) and the Launch Control Facility (LCF) is essential. This facility will provide the means for trouble-shooting by determining reactions to environmental failures and to investigate and monitor effects of proposed and enacted system modifications. It will also provide the capability to conduct various software testing including modifications and changes made to target tapes to provide communications assurance and accuracy.

CURRENT SITUATION: No existing facility is capable of supporting the test and repair requirements of the Peacekeeper launch facility. The Minuteman facilities are unable to support the testing necessary for Peacekeeper as they are fully utilized.

IMPACT IF NOT PROVIDED: Key mission support for the Peacekeeper weapon system will not be assured without this project. The readiness and integrity of the weapon system will be compromised.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4 PROJECT TITLE PEACEKEEPER - SYSTEM ENGINEERING TEST SILO		5 PROJECT NUMBER KRSM870080

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 APR 24
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 13
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used - FE WARRE	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	200
(b) All Other Design Costs	0
(c) Total	200
(d) Contract	0
(e) In-house	200
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	4 PROJECT TITLE LOGISTICS SYSTEMS OPERATIONS CENTER

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 610-711	7 PROJECT NUMBER KRSM860085	8 PROJECT COST ($000) 11,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LOGISTICS SYSTEMS OPERATIONS CENTER	SF	90,500	91	8,235
SUPPORTING FACILITIES				2,175
COMMUNICATIONS	LS			(450)
UTILITIES	LS			(300)
PAVEMENTS	LS			(250)
SITE IMPROVEMENTS	LS			(225)
ELECTRICAL SUBSTATION	LS			(350)
FIRE PROTECTION SYSTEM	LS			(300)
TEMPEST SHIELDING	LS			(300)
SUBTOTAL				10,410
CONTINGENCY (5%)				520
TOTAL CONTRACT COST				10,930
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				601
TOTAL REQUEST				11,531
TOTAL REQUEST (ROUNDED)				11,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(1,300)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Seismic considerations for zone [illegible]; TEMPEST security; uninterruptible power source; back-up generator. Area includes computer room, tape vaults, storage. Extensive earthwork is included as site improvement. Air Conditioning: 500 Tons.

11. REQUIREMENT: 90,500 SF ADEQUATE: 0 SUBSTANDARD: 126,100 SF

PROJECT: Construct an Automatic Data Processing Equipment (ADPE) facility to accommodate computers, personnel and support functions for data automation activities.

REQUIREMENT: A modern structure for physical and electronic protection of high-value computers and data systems and to provide adequate space for support personnel and equipment. This facility is essential to consolidate data processing functions and protect them from the high risk of fire, sabotage, environmental/power fluctuations and failures due to natural and wartime disasters as enumerated in GAO report to Congress "Federal Managers Need to Provide Better Protection for Automatic Data Processing Facilities," (FBMSD-76-40, 10, May 1976). Major weapons systems supported by this center include F-16, Minuteman and Peacekeeper.

CURRENT SITUATION: Present operations are housed in part of a converted World War II vintage warehouse with wooden roof and false ceiling. This facility has seriously inadequate fire and security protection, no seismic or TEMPEST protection, is in violation of ADPE security codes, has overhead waterlines in the ADPE room and has built-in safety problems with equipment that must be eliminated. In addition, electrical transformers and water supply lines are not enclosed and are

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4 PROJECT TITLE LOGISTICS SYSTEMS OPERATIONS CENTER		5 PROJECT NUMBER KRSM860085

extremely vulnerable to accident or hostile acts. The inability to properly control humidity and temperature has resulted in degradation of the logistics support mission through many lost production hours and costly computer reruns. This project will provide a new facility to correct these deficiencies and permit the vacated space to be used to satisfy other depot maintenance activity space requirements.

IMPACT IN NOT PROVIDED: Failure to provide this project will jeopardize sustained wartime readiness support to the military weapon systems management functions of this Air Logistics Center due to the heavy dependency on automated data products. It will also require continuance of an inefficient operation during peacetime.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4 PROJECT TITLE LOGISTICS SYSTEMS OPERATIONS		5. PROJECT NUMBER KRSM860085

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 JUN 22
(b) Percent Complete as of January 1986	65
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUL 23
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	403
(b) All Other Design Costs	288
(c) Total	691
(d) Contract	547
(e) In-house	144
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Uninterruptible Power System	3080	87	1,100
Intrusion Alarm System	3080	87	200

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	4 PROJECT TITLE ADD TO WATER SUPPLY AND DISTRIBUTION SYSTEM

5 PROGRAM ELEMENT 7.28.96	6 CATEGORY CODE 841-166	7 PROJECT NUMBER KRSM860087	8 PROJECT COST ($000) 1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO WATER SUPPLY AND DISTRIBUTION SYSTEM	LS			943
WELL/PUMPHOUSES	EA	2	330K	(660)
WATER DISTRIBUTION LINES	LS			(283)
SUPPORTING FACILITIES				125
UTILITIES	LS			(100)
SITE IMPROVEMENTS	LS			(25)
SUBTOTAL				1,068
CONTINGENCY (5%)				53
TOTAL CONTRACT COST				1,121
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				62
TOTAL REQUEST				1,183
TOTAL REQUEST (ROUNDED)				1,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Drill two new wells and construct pump houses. Install a new 12" main water line into the west area. Disconnect and plug well number 4. Include all necessary supply lines, pumps, boosters, fittings, valves, and supporting facilities.

11. REQUIREMENT: As required.

PROJECT: Construct an addition to the base water supply and distribution system.

REQUIREMENT: An adequate water system is required to provide water for over 18,000 base personnel, numerous industrial processes, and fire suppression requirements. The water distribution system into the west area must be sized to provide sufficient water for existing and proposed facilities in that area.

CURRENT SITUATION: Current base water production is approximately 7.7 million gallons per day (MGPD). Water from one well does not meet water quality standards and is used sparingly. This means that actual adequate water production is only 5.76 MGPD. During the summer months, the average peak demand is 9.5 MGPD. The greatest demand encountered was 10.8 MGPD. Any deficit in water production is made up from a limited quantity from the local conservancy district and through water conservation measures. This results in a potentially hazardous situation during the summer months, because all wells are operating at maximum capacity and storage reservoirs remain only partially filled, except during weekends. As such, very little water is reserved for firefighting, leaving 4.5 billion dollars worth of aircraft, high technology equipment and facilities, along with 2.75 billion dollars worth of stored inventory vulnerable to fire. If a well pump were

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4. PROJECT TITLE ADD TO WATER SUPPLY AND DISTRIBUTION SYSTEM		5. PROJECT NUMBER KRSM860087

to break down during the summer, the system would be severely taxed to keep pace with demand. The existing system is approximately 42 years old without any major upgrade. Over 2 million SF of new buildings have been built since 1970 and approximately 270,000 SF of new space is planned in the west area. The existing 8" water main will not provide adequate water supplies to support the additional population.

IMPACT IF NOT PROVIDED: There will be insufficient quantities of water to sustain the base mission. Personnel will be exposed to unnecessary health and fire hazards with the potential for catastrophic consequences.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4 PROJECT TITLE ADD TO WATER SUPPLY AND DISTRIBUTION SYSTEM		5. PROJECT NUMBER KRSM860087

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JUL 13
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	73
(b)	All Other Design Costs	849
(c)	Total	922
(d)	Contract	131
(e)	In-house	791

(4) Construction start 87 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT		2 DATE
AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
KELLY AIR FORCE BASE, TEXAS	AIR FORCE LOGISTICS COMMAND	0.86

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	936	3,447	17,624	0	0	0	15	460	92	22,574
b. END FY 1991	978	3,945	18,946	0	0	0	15	460	92	24,436

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (4,870)	
b INVENTORY TOTAL AS OF 30 Sept 85	245,880
c AUTHORIZATION NOT YET IN INVENTORY	41,699
d AUTHORIZATION REQUESTED IN THIS PROGRAM	49,900
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	21,400
f PLANNED IN NEXT THREE PROGRAM YEARS	79,980
g REMAINING DEFICIENCY	166,000
h GRAND TOTAL	604,859

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-133	Fuel Systems Accessories Test Facility	50,500 SF	10,900	Sep 85	Sep 86
610-675	Weapons Systems Support Center	536,000 SF	39,000	Jul 85	Dec 86
	Total		49,900		

9. Future Projects: (a) Included in Following Program (FY 88):

411-135	Jet Fuel Storage	55,000 BL	1,500
441-758	Depot Warehouse	480,000 SF	19,900
	Total		21,400

(b) Typical Planned Next Three Years:

211-157	Add to Depot Maintenance Hangar	77,000 SF	14,500
441-758	Depot Warehouse	640,000 SF	35,000
721-312	Alter Unaccompanied Enlisted Personnel Housing	272 PN	4,100

10. Mission or Major Functions: Includes an Air Logistics Center responsible for management and support for C-5, C-9, F-5, T-37, and T-38 aircraft engines and aerospace fuels. Provides depot level maintenance on C-5 and B-52 aircraft, and aircraft engines. Technology Repair Center for both electronic and ground support equipment. Tenant units: Electronic Security Command Headquarters is responsible for support of all USAF elements conducting command, control and communications measures. An Air Force Reserve Tactical Airlift Wing operating C-5 aircraft and an Air National Guard Tactical Fighter Group operating F-4C aircraft.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS	4 COMMAND AIR FORCE LOGISTICS COMMAND	5 AREA CONSTR COST INDEX 0.86

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE
b INVENTORY TOTAL AS OF
c AUTHORIZATION NOT YET IN INVENTORY
d AUTHORIZATION REQUESTED IN THIS PROGRAM
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f PLANNED IN NEXT THREE PROGRAM YEARS
g REMAINING DEFICIENCY
h GRAND TOTAL

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS	4. PROJECT TITLE FUEL SYSTEMS ACCESSORIES TEST FACILITY

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 211-133	7 PROJECT NUMBER MBPB871181	8 PROJECT COST ($000) 10,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL SYSTEMS ACCESSORIES TEST FACILITY	SF	50,500	175	8,837
SUPPORTING FACILITIES				1,050
UTILITIES	LS			(760)
SITE IMPROVEMENTS	LS			(200)
PAVEMENTS	LS			(90)
SUBTOTAL				9,887
CONTINGENCY (5%)				494
TOTAL CONTRACT COST				10,381
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				571
TOTAL REQUEST				10,952
TOTAL REQUEST (ROUNDED)				10,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NONADD)			(18,800)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete slab-on-grade foundation, precast concrete exterior walls, steel beam and column frame, built-up roof on metal decking, EMCS connection and utilities. Air Conditioning: 400 Tons.

11. REQUIREMENT: 249,250 SF ADEQUATE: 120,600 SF SUBSTANDARD: 92,150 SF

PROJECT: Construct a fuel systems accessories test facility.

REQUIREMENT: Facilities of adequate size and configuration with proper environmental controls, fire protection and fuel distribution systems to accommodate the depot maintenance and testing of various fuel systems accessories and components of TF39, T56 and F100 jet engines.

CURRENT SITUATION: These activities are being conducted in all or part of five facilities, one of which is deteriorated beyond economical repair. None of the existing space can be altered or expanded to accommodate new, sophisticated, state-of-the-art equipment required to test today's high performance engine components. These facilities do not have sufficient electrical power, environmental controls or floor space. As a consequence, high energy consuming component test stands are being used for specific items without the flexibility of testing different components. Crowded conditions, caused by the need for additional stands to cover all the various components coupled with the lack of adequate environmental controls, cause supporting computers to overheat with the resultant loss in testing capability. This project will permit the disposal of one substandard facility.

IMPACT IF NOT PROVIDED: Testing capability will continue to be degraded with the resultant adverse effect on both peacetime and contingency readiness operations.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE FUEL SYSTEMS ACCESSORIES TEST FACILITY		5. PROJECT NUMBER MBPB871181

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in November 1984.

1. COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE
3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE FUEL SYSTEMS ACCESSORIES TEST FACILITY		5. PROJECT NUMBER MBPB871181

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 SEP 25
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 01
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	612
	(b) All Other Design Costs	0
	(c) Total	612
	(d) Contract	433
	(e) In-house	179
(4)	Construction start	87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Fuel System Test Equipment	3080	87	18,800

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS	4 PROJECT TITLE WEAPONS SYSTEMS SUPPORT CENTER

5 PROGRAM ELEMENT 7.28.96	6 CATEGORY CODE 610-675	7 PROJECT NUMBER MBPB887402	8 PROJECT COST ($000) 39,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SYSTEMS SUPPORT CENTER	SF	536,000	58	31,088
SUPPORTING FACILITIES				4,320
UTILITIES	LS			(1,106)
SITE IMPROVEMENT	LS			(124)
PAVEMENTS	LS			(1,255)
COMMUNICATIONS SUPPORT	LS			(1,781)
UNIQUE PASSIVE SOLAR	LS			(54)
SUBTOTAL				35,408
CONTINGENCIES (5%)				1,770
TOTAL CONTRACT COST				37,178
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)				2,045
TOTAL REQUEST				39,223
TOTAL REQUEST (ROUNDED)				39,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Multi-story building with combination steel frame and reinforced concrete structural elements and masonry exterior walls; elevators, communications and data-network prewiring; all utilities and vehicle parking. Area includes office space, emergency operations center, computer areas, technical libraries, and cafeteria. Air conditioning: 1,500 Tons.

11. REQUIREMENT: 536,000 SF ADEQUATE: 0 SUBSTANDARD: 545,100 SF

PROJECT: Construct a weapon system support center (WSSC) to collocate logistics organizations which execute acquisition, repair, modification, and distribution of aircraft, engines, and spare parts.

REQUIREMENT: A facility of adequate size and configuration with proper environmental controls is required to accommodate WSSC functions associated with the management and control of this Air Logistics Center (ALC). The WSSC is mission critical to collocate logistics core functions vital to achieve and sustain maximum weapon systems support to major operating commands and friendly foreign nations. It enables the ALC to reduce pipeline times, meet wartime taskings, ensure zero overpricing of spare parts, and avoid inappropriate spare parts disposals.

CURRENT SITUATION: These functions are now fragmented in seven inadequate facilities separated up to three miles, adversely impacting productivity and increasing logistics response/pipeline time. Space for packaging and storage is both inadequate and insufficient to accommodate mission requirements. Logistics operations space consumes energy at a rate 25% higher than new construction. This project overcomes serious operational limitations by improving logistics core productivity,

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS		
4 PROJECT TITLE WEAPONS SYSTEMS SUPPORT CENTER		5 PROJECT NUMBER MBPB887402

resulting in over 200 reduced manpower requirements; by eliminating the need for three MCP projects which would be required to provide adequate storage/packaging facilities and logistics operations space; by improving visitor access and control; by improving mobility/emergency aerial port of embarkation capability; and by conserving energy. Completion of this project will allow immediate disposal of 23 World War II wood frame buildings plus the disposal of 4 additional wood frame buildings, following conversion of vacated space for other uses. Cost of this project will amortize in less than two years.

IMPACT IF NOT PROVIDED: Continued fragmentation will significantly degrade logistics support to operational commands and friendly foreign nations, weakening their combat readiness posture; increase DOD logistics support costs; and defeat zero overpricing initiatives.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS		
4. PROJECT TITLE WEAPONS SYSTEMS SUPPORT CENTER		5. PROJECT NUMBER MBPB887402

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUL 11
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 DEC 03

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	3,116
(b)	All Other Design Costs	0
(c)	Total	3,116
(d)	Contract	2,354
(e)	In-house	762

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA	4. COMMAND AIR FORCE LOGISTICS COMMAND	5. AREA CONSTR COST INDEX 1.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	536	2,998	13,472	0	0	0	30	146	24	17,206
b. END FY 19 91	553	3,048	13,997	0	0	0	30	146	24	17,798

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,720)	
b. INVENTORY TOTAL AS OF 30 Sept 85	281,847
c. AUTHORIZATION NOT YET IN INVENTORY	53,829
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	28,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	33,590
f. PLANNED IN NEXT THREE PROGRAM YEARS	97,880
g. REMAINING DEFICIENCY	213,100
h. GRAND TOTAL	709,146

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-271	Depot Flight Instrument Overhaul Facility	90,000 SF	9,400	Feb 85	May 86
422-000	Ammunition Storage Complex /Land Acquisition	LS	4,300	Jul 84	May 86
441-758	Add to and Alter Depot Warehouse	162,500 SF	9,400	Jan 85	May 86
899-00W	Regional Wastewater Connection	LS	5,800	Apr 85	Mar 86
	Total		28,900		

9. Future Projects: Included in Following Program (FY 88):

123-335	Vehicle Fueling Station	6 OL	400
216-159	Add to and Alter Aircraft Paint Complex	106,140 SF	10,700
441-758	Add to and Alter Depot Warehouse	330,000 SF	18,000
740-884	Add to and Alter Child Care Center	9,520 SF	390
812-222	Alter Electric Distribution System	107,000 LF	4,100
	Total		33,590

10. Mission or Major Functions: Includes an Air Logistics Center responsible for the management and support for F/FB-111, E-3A (AWACS), T-39 and A-10 aircraft, and ground communications-electronics-meteorological (C-E-M)systems. Provides depot level maintenance on above systems except E-3A (AWACS) aircraft. Technology Repair Center for ground C-E-M equipment, aircraft fluid-driven hydraulics/pneudraulics systems, and flight control instrumentation. Tenant Units: Military Airlift Command weather-rescue

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA	4 COMMAND AIR FORCE LOGISTICS COMMAND	5 AREA CONSTR COST INDEX 1.17

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE
b INVENTORY TOTAL AS OF
c AUTHORIZATION NOT YET IN INVENTORY
d AUTHORIZATION REQUESTED IN THIS PROGRAM
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f PLANNED IN NEXT THREE PROGRAM YEARS
g REMAINING DEFICIENCY
h GRAND TOTAL

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

(WC-135, C-130 and helicopters) wing, and military airlift (C-21) squadron. HQ 4th Air Force, an Air Force Reserve Numbered Air Force; and a Tactical Air Command Test and Evaluation Group.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	11,000
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA		4 PROJECT TITLE DEPOT FLIGHT INSTRUMENT OVERHAUL FACILITY	
5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 211-271	7 PROJECT NUMBER PRJY871001	8 PROJECT COST ($000) 9,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DEPOT FLIGHT INSTRUMENT OVERHAUL FACILITY	SF	90,000	81	7,290
SUPPORTING FACILITIES				1,200
UTILITIES	LS			(300)
PAVEMENTS	LS			(400)
SITE IMPROVEMENTS	LS			(500)
SUBTOTAL				8,490
CONTINGENCY (5%)				425
TOTAL CONTRACT COST				8,915
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				490
TOTAL REQUEST				9,405
TOTAL REQUEST (ROUNDED)				9,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor, precast concrete walls, steel framing and built-up roof. Supporting facilities include utilities, seismic consideration, roads, parking, fencing and security lighting. Air Conditioning: 600 Tons.

11. REQUIREMENT: 90,000 SF ADEQUATE: 0 SUBSTANDARD: 94,250 SF

PROJECT: Construct a depot flight instrument overhaul facility.

REQUIREMENT: A facility of adequate size and configuration with proper environmental controls to accommodate the depot level overhaul of aircraft flight instruments. Activities include disassembly, maintenance, overhaul, repair and testing of these instruments. McClellan AFB is the Air Logistics Center (ALC) responsible for all Air Force aircraft flight instruments and many components used by the Army and Navy.

CURRENT SITUATION: These functions are currently being accomplished in all or part of two pre-WW II facilities that are inadequate to properly support the mission. They are poorly configured, lack sufficient environmental controls and do not provide adequate security. The lack of adequate space coupled with the dispersed operation in two facilities contribute to excessive flow days in the processing of flight instruments through the ALC. This project will provide a new facility to consolidate operations and accommodate new state-of-the-art processing equipment. Three 45 year old facilities will be disposed of as a result of this project.

IMPACT IF NOT PROVIDED: The readiness and reliability of the strategic and tactical aircraft systems supported by this ALC will be degraded.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE DEPOT FLIGHT INSTRUMENT OVERHAUL FACILITY		5. PROJECT NUMBER PRJY871001

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in November 1984.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE DEPOT FLIGHT INSTRUMENT OVERHAUL FACILITY		5. PROJECT NUMBER PRJY871001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 FEB 05
	(b) Percent Complete as of January 1986	60
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	468
	(b) All Other Design Costs	134
	(c) Total	602
	(d) Contract	510
	(e) In-house	92
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE AMMUNITION STORAGE COMPLEX/ LAND ACQUISITION

5 PROGRAM ELEMENT 7.28.96	6 CATEGORY CODE 422-000	7 PROJECT NUMBER PRJY861006	8 PROJECT COST ($000) 4,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AMMUNITION STORAGE COMPLEX/LAND ACQUISTION	LS			1,133
HAZARDOUS STORAGE DEPOT	SF	1,650	96	(158)
ENTRY CONTROL BUILDING	SF	1,750	140	(245)
STORAGE IGLOO	SF	7,300	100	(730)
SUPPORTING FACILITIES				2,080
UTILITIES	LS			(715)
PAVEMENTS	LS			(340)
SITE IMPROVEMENTS	LS			(1,025)
SUBTOTAL				3,213
CONTINGENCY (5%)				161
TOTAL CONTRACT COST				3,374
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				186
PURCHASE LAND (35 AC)				746
TOTAL REQUEST				4,306
TOTAL REQUEST (ROUNDED)				4,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct eight steel arch, two earth mounded, multiple class storage igloos plus two support facilities, complete with fencing, lighting, roads, improved drainage, two bridges, utilities. Fee purchase of 35 acres of land.

11. REQUIREMENT: 10,700 SF ADEQUATE: 0 SUBSTANDARD: 11,300 SF

PROJECT: Construct ammunition storage complex and purchase 35 acres of land.

REQUIREMENT: Project is required to provide adequately sized and properly configured facilities for storage of ammunition, explosives and pyrotechnics. Facility requires a minimum clear distance of 1,250 feet to inhabited buildings. Depot activities require storage of items such as rocket motors, ejection seat actuators, small arms and Gatling gun rounds, flares, and a variety of other explosives and pyrotechnics totalling up to 131,600 pounds net explosive weight (NEW). Storage support must be provided for 35 base, tenant, and off-base governmental activities.

CURRENT SITUATION: The location of the present munitions storage complex limits storage capacity and land use. The amount and kind of explosive that can be stored are limited by quantity/distance criteria because of the many facilities surrounding the complex. The complex cannot store more than 2/3 of its requirement for Class/Division 1.1 explosives for EOD operations. No other site within 40 miles can store the remainder of the requirement, so it must be transported to Beale AFB at three hours travel time per trip. Some Air Force unit operations cannot be supported due to inability to store large amounts of

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE AMMUNITION STORAGE COMPLEX/LAND ACQUISITION		5. PROJECT NUMBER PRJY861006

explosives. The 40-year old facilities are in need of extensive repair, and numerous security deficiencies exist. Even if upgraded, the problems of limited storage capacity and land use would remain at the present site. No area exists on base which will satisfy existing and projected explosive storage requirements, nor is it possible to modify the present area. Explosive storage in its present location has sterilized valuable surrounding land and prevented construction for other needed facilities such as engine run-up and aircraft paint facility and hush houses for engine testing. Proposed project will permit disposal of 12 World War II buildings.

IMPACT IF NOT PROVIDED: Explosives and pyrotechnics will continue to be stored inefficiently and transported between bases over public roads with associated expense and time loss. Accountability will be compromised and readiness will be handicapped by lack of available items for support of Air Force weapons systems such as F-111 and A-10 aircraft. Future base development will remain severely limited.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE AMMUNITION STORAGE COMPLEX/ LAND ACQUISITION		5. PROJECT NUMBER PRJY861006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JUL 11
(b)	Percent Complete as of January 1986	75
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 03

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	162
(b)	All Other Design Costs	105
(c)	Total	267
(d)	Contract	197
(e)	In-house	70

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE ADD TO AND ALTER DEPOT WAREHOUSE

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 441-758	7 PROJECT NUMBER PRJY871005	8 PROJECT COST ($000) 9,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER DEPOT WAREHOUSE	LS			6,580
ADDITION	SF	162,500	40	(6,500)
ALTERATION	LS			(80)
SUPPORTING FACILITIES				1,900
COMMUNICATIONS SUPPORT	LS			(35)
UTILITIES	LS			(500)
PAVEMENTS	LS			(365)
SITE IMPROVEMENTS	LS			(500)
WATER STORAGE/PUMP STATION	LS			(500)
SUBTOTAL				8,480
CONTINGENCY (5%)				424
TOTAL CONTRACT COST				8,904
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				490
TOTAL REQUEST				9,394
TOTAL REQUEST (ROUNDED)				9,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(1,400)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and floor slab, masonry walls, insulated roof panels, heat and ventilation, lighting, utilities, fire protection and water storage/pumpstation. Also includes rail line removal and structure relocation. Air Conditioning: 20 Tons.

11. REQUIREMENT: 3,057,800 SF ADEQUATE: 1,685,400 SF SUBST: 895,100 SF

PROJECT: Construct a warehouse addition.

REQUIREMENT: Facilities of adequate size and configuration are required to provide covered and secure storage of supplies and equipment used to support depot level operations. Functions to be accommodated include receiving, storing, securing and issuing supply assets including electronic and aircraft engine parts.

CURRENT SITUATION: There is a significant shortage of adequate depot warehouse space at McClellan. Facilities are saturated, resulting in spill-over storage in aisles and outdoor open storage areas, increasing the risk of fire and weather damage. These overcrowded conditions are the result of steadily increasing numbers of line items and the quantities for each line item being stored. In addition, over one-third of the existing warehouse space is substandard. This space does not have sufficient stacking headroom or room to accommodate moderate mechanized material handling equipment. The lack of adequate space coupled with the forced use of open storage contribute to overall inefficient warehouse operations and premature deterioration of stored materials. This project will relieve overcrowding and allow items to be moved from the open storage areas.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER DEPOT WAREHOUSE		5. PROJECT NUMBER PRJY871005

IMPACT IF NOT PROVIDED: The DOD standard warehouse utilization rate will continue to be exceeded creating inefficient warehousing operations which adversely impact logistical support of the Air Force's worldwide flying mission, as well as the base's industrial mission.

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE
3 INSTALLATION AND LOCATION MCCLELLAN AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE ADD TO AND ALTER DEPOT WAREHOUSE		5 PROJECT NUMBER PRJY871005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 07
(b) Percent Complete as of January 1986	70
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	350
(b) All Other Design Costs	74
(c) Total	424
(d) Contract	24
(e) In-house	400

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Mechanized Material Handling System	3080	88	1,400

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION NEWARK AIR FORCE STATION, OHIO	4 COMMAND AIR FORCE LOGISTICS COMMAND	5 AREA CONSTR COST INDEX 1.03

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	29	15	2,576	0	0	0	0	0	0	2,620
b. END FY 19 91	29	16	2,572	0	0	0	0	0	0	2,617

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (56)	
b INVENTORY TOTAL AS OF 30 Sept 85	41,758
c AUTHORIZATION NOT YET IN INVENTORY	0
d AUTHORIZATION REQUESTED IN THIS PROGRAM	3,000
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,200
f PLANNED IN NEXT THREE PROGRAM YEARS	6,050
g REMAINING DEFICIENCY	16,000
h GRAND TOTAL	71,008

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218-868	Radiac Laboratory	11,700 SF	3,000	Jan 84	Aug 85

9. Future Projects: (a) Included in Following Program (FY 88):

610-711	Logistics Systems Operations Center	29,000 SF	4,200
	(b) Typical Planned Next Three Years:		
141-763	Add to and Alter Software and Electromechanical Laboratory	10,200 SF	1,600
211-271	Instrument Overhaul Facility	20,000 SF	3,100
442-257	Hazardous Material Processing Facility	5,500 SF	1,350

10. Mission or Major Functions: Major activities include the maintenance, repair, modification and reclamation of Air Force and other Department of Defense aircraft/missile inertial guidance equipment. Newark AFS also manages the Air Force Measurement Standards Laboratory to calibrate equipment and certify standards for all Air Force Precision Measurement Equipment Laboratories.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION NEWARK AIR FORCE STATION, OHIO	4 PROJECT TITLE RADIAC LABORATORY

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 218-868	7 PROJECT NUMBER RRTC860050	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RADIAC LABORATORY	SF	11,700	190	2,223
SUPPORTING FACILITIES				505
UTILITIES	LS			(210)
SITE IMPROVEMENTS	LS			(270)
COMMUNICATIONS	LS			(25)
SUBTOTAL				2,728
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,864
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				158
TOTAL REQUEST				3,022
TOTAL REQUEST (ROUNDED)				3,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(150)

10 DESCRIPTION OF PROPOSED CONSTRUCTION An environmentally controlled underground concrete laboratory including insulation, drywall, all utilities and necessary support. Top of facility to be at ground level with 5-foot earth cover to provide radiation shielding. Mechanical room will be aboveground. Air Conditioning: 15 Tons

11. REQUIREMENT: 11,700 SF ADEQUATE: 0 SUBSTANDARD: 2,620 SF

PROJECT: Construct an underground nuclear standards and calibration laboratory.

REQUIREMENT: An environmentally safe, consolidated facility is required to accomplish current and programmed workloads to develop radiation measurement standards and provide calibration support for radiation equipment used at testing laboratories and Air Force medical centers. Expanded capability and reliability of calibration standards is needed to insure dependability of equipment provided to units throughout the Air Force.

CURRENT SITUATION: These activities are now being conducted in one small substandard facility and two small areas within another laboratory facility. These areas provide less than 25 percent of the space required to properly accommodate these critical calibration and standard procedures. They do not have adequate shielding to protect the workers and surrounding areas. The lack of space, coupled with the poorly configured testing areas, combine to severely restrict the level of calibration support. In addition, required high radiation source equipment cannot be installed due to lack of proper shielding. Workload delays are created by the inability of the laboratory to operate

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NEWARK AIR FORCE STATION, OHIO		
4. PROJECT TITLE RADIAC LABORATORY		5. PROJECT NUMBER RRTC860050

simultaneous tests. This project will provide a new facility to properly support these activities and will permit the disposal of one substandard facility.

IMPACT IF NOT PROVIDED: Without this project, personnel safety will continue to be compromised and equipment calibration and dependability will be adversely affected.

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in November 1984.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NEWARK AIR FORCE STATION, OHIO		
4. PROJECT TITLE RADIAC LABORATORY		5. PROJECT NUMBER RRTC860050

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JAN 11
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 AUG 16

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	243
(b)	All Other Design Costs	0
(c)	Total	243
(d)	Contract	177
(e)	In-house	66

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Radiation Test Equipment	3080	87	150

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA	4. COMMAND AIR FORCE LOGISTICS COMMAND	5. AREA CONSTR COST INDEX 0.80

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	739	3,251	15354	0	52	0	0	0	0	19,396
b. END FY 19 91	752	3,444	16194	0	52	0	0	0	0	20,442

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (8,790)	
b. INVENTORY TOTAL AS OF 30 Sept 85	315,240
c. AUTHORIZATION NOT YET IN INVENTORY	7,350
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,058
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	29,710
f. PLANNED IN NEXT THREE PROGRAM YEARS	76,730
g. REMAINING DEFICIENCY	148,300
h. GRAND TOTAL	593,388

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116-662	Dangerous Cargo Pad	16,400 SY	2,700	Oct 84	Oct 85
171-212	KC-135 Cockpit Procedures Trainer (CPT) Simulator Facility	3,500 SF	660	Sep 85	Mar 86
211-183	Sound Suppressor Support	LS	740	Dec 84	Dec 85
217-712	Add to and Alter Avionics Repair Facility	74,400 SF	6,455	Sep 85	Oct 86
441-628	High Density Storage Facilities	160,000 SF	3,800	Feb 84	Apr 85
812-921	Aircraft Utility Outlets	20 EA	1,700	Jan 84	Apr 85
	Total		16,055		

9. Future Projects: Included in Following Program (FY 88):

136-661	Approach Lighting System	13,000 LF	1,250
211-159	Aircraft Corrosion Control Facility	63,500 SF	10,400
442-758	Base Supply Support Center	147,000 SF	7,800
610-675	Add to and Alter Weapons Systems Support Center	328,000 SF	9,800
740-884	Add to and Alter Child Care Center	11,100 SF	460
	Total		29,710

10. Mission or Major Functions: Includes an Air Logistics Center responsible for logistics management and support for F-15, C-130 and C-141 aircraft, helicopters, and air-to-air missiles. Provides depot level maintenance on above aircraft. Technology Repair Center for aircraft airborne electronics (avionics), life support systems and gyroscopes instrumentation. Tenant Units: Strategic Air Command Air Refueling (KC-135) Wing; Air Force Reserve Headquarters.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT		2 DATE
AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
ROBINS AIR FORCE BASE, GEORGIA	DANGEROUS CARGO PAD

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
7.11.11	116-662	UHHZ860028	2,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DANGEROUS CARGO PAD	SY	16,400	61	1,000
SUPPORTING FACILITIES				1,430
UTILITIES	LS			(130)
SITE IMPROVEMENTS	LS			(920)
PAVEMENTS	LS			(380)
SUBTOTAL				2,430
CONTINGENCY (5%)				122
TOTAL CONTRACT COST				2,552
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				140
TOTAL REQUEST				2,692
TOTAL REQUEST (ROUNDED)				2,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete pad, paved shoulders, earth fill, and paved roads. Area includes a loading/unloading pad, an interim holding pad, and connecting roads.

11. REQUIREMENT: 16,400 SY ADEQUATE: 0 SUBSTANDARD: 8,300 SY

PROJECT: Construct a dangerous cargo pad.

REQUIREMENT: An adequate pad located in an area to meet quantity/distance zones is required to permit safe loading/unloading of aircraft and the transfer of explosives and other dangerous cargo using specialized air freight handling equipment.

CURRENT SITUATION: Cargo aircraft transporting explosives to or from Robins AFB are using an active taxiway during loading and unloading operations. The existing site meets current safety quantity-distance criteria for one airplane, carrying up to 30,000 pounds of class "A" explosives. However, when two aircraft require loading/unloading each aircraft is limited to 10,000 pounds as there is not enough space for safe separation between aircraft carrying higher explosive weights. Also, the existing site is not large enough to accommodate one large cargo aircraft, such as the C-5 and 747, because there is not enough space to maneuver the specialized equipment needed for loading/unloading large cargo planes.

IMPACT IF NOT PROVIDED: Dangerous cargo will continue to be handled under undesirable conditions. The base will be unable to accommodate multiple aircraft or large C-5 and 747 cargo aircraft transiting Robins AFB which has an adverse impact on world wide peacetime and contingency operations.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4 PROJECT TITLE DANGEROUS CARGO PAD		5. PROJECT NUMBER UHHZ860028

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 OCT 01
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 OCT 16
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	94
	(b) All Other Design Costs	32
	(c) Total	126
	(d) Contract	51
	(e) In-house	75
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA	4 PROJECT TITLE ADD TO AND ALTER AVIONICS REPAIR FACILITY

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 217-712	7 PROJECT NUMBER UHHZ880028	8 PROJECT COST ($000) 6,455

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER AVIONICS REPAIR FACILITY	SF	74,400		5,294
ADDITION	SF	(56,000)	85	(4,760)
ALTERATION	SF	(18,400)	29	(534)
SUPPORTING FACILITIES				535
UTILITIES	LS			(270)
PAVEMENTS	LS			(20)
SITE IMPROVEMENTS	LS			(95)
COMMUNICATIONS SUPPORT	LS			(149)
SUBTOTAL				5,828
CONTINGENCY (5%)				291
TOTAL CONTRACT COST				6,119
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				336
TOTAL REQUEST				6,455

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor, structural steel frame, metal siding and built-up roof to match existing facility. Necessary structural, electrical and mechanical work in the existing facility. HVAC system in the printed circuit board manufacturing area designed for cleanroom ventilation conditions. Tempest protection in computer software area.

Air Conditioning: 60 Tons.

11. REQUIREMENT: 74,400 SF ADEQUATE: 0 SUBSTANDARD: 18,400 SF

PROJECT: Construct an addition to and alteration of the avionics repair facility to provide production area for printed circuit board (PCB) repair/manufacture and for the software center.

REQUIREMENT: Additional facilities are needed to provide sufficient production area for new and existing PCB manufacturing and repair. Space is also needed for the software support branch to provide adequate work areas. Provision of a more efficient layout and additional equipment is needed so that full productivity of workers may be realized, thereby avoiding excessive amounts of overtime, shift work, and contracting of work which can be more economically accomplished in service. Cost of the proposed project will amortize in less than one year.

CURRENT SITUATION: Compression of existing PCB area has caused cramped work space resulting in inefficient utilization of personnel and equipment, with potentially hazardous conditions. Poor environmental conditions and lack of space in this area preclude the establishment of manufacturing multilayer PCBs, flexible circuits and fine-line etching.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

ROBINS AIR FORCE BASE, GEORGIA

4 PROJECT TITLE ADD TO AND ALTER AVIONICS REPAIR FACILITY	5 PROJECT NUMBER UHHZ880028

Shortage of space in the software support center necessitates filing and storage cabinets for software development/maintenance data being stored in aisles, hallways and stairwells. Fabrication of interface adapters is currently being done at engineers/technicians desks, which are inadequate and not designed for this type work. These conditions require contract accomplishment of work which could be done much more economically by in-service personnel. Growth in circuit board repair workload will require even more uneconomical contracting in the future. IMPACT IF NOT PROVIDED: Without this project, the existing substandard conditions will continue and projected workload increases cannot be accommodated without costly contractor support, which will approach $13 million dollars per year.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE ADD TO AND ALTER AVIONICS REPAIR FACILITY		5. PROJECT NUMBER UHHZ880028

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 SEP 10
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	98
	(d) Date Design Complete	86 OCT 07
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	351
	(b) All Other Design Costs	170
	(c) Total	521
	(d) Contract	320
	(e) In-house	201
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
ROBINS AIR FORCE BASE, GEORGIA	HIGH DENSITY STORAGE FACILITIES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
7.11.11	441-628	UHHZ870033	3,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HIGH DENSITY STORAGE FACILITIES	SF	160,000		3,152
EQUIPMENT SHED DEPOT	SF	(157,500)	19	(2,992)
SUPPLY ADMINISTRATION	SF	(2,500)	64	(160)
SUPPORTING FACILITIES				275
UTILITIES	LS			(80)
PAVEMENTS	LS			(135)
SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				3,427
CONTINGENCY (5%)				171
TOTAL CONTRACT COST				3,598
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				198
TOTAL REQUEST				3,796
TOTAL REQUEST (ROUNDED)				3,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Steel frame sheds with metal roof, partial sheathing on sides, concrete foundations and floor slabs, dry sprinkler fire protection. Constructed as two 80,000 SF bay sheds with 2,500 SF concrete block structure for admin/latrines to be constructed as part of one shed.

11. REQUIREMENT: 336,240 SF ADEQUATE: 176,240 SF SUBSTANDARD: 155,000 SF

PROJECT: Construct two high density storage facilities.

REQUIREMENT: Facilities of adequate size and configuration are required to properly store items in covered space that does not require temperature control. Items to be protected include aircraft components, ground support equipment and bulk materials.

CURRENT SITUATION: Items suitable for shed storage are currently scattered throughout depot warehouses occupying over 150,000 square feet of warehouse space. Due to the configuration and the lack of adequate structural supports, proper materials handling equipment cannot be installed. Consequently, these items must be shoved or dragged, creating a hazardous situation. Items are stored outside that should be inside, increasing material deterioration and repackaging costs. Inside storage is currently oversaturated for safe and efficient movement of materials. Over 150,000 SF of additional space is needed to reduce the inside storage density to a safe and efficient level. This project will provide new storage sheds to accommodate these items and relieve the shortage in depot warehouse space.

1. COMPONENT AIR FORCE	FY 19^{87} MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE HIGH DENSITY STORAGE FACILITIES	5. PROJECT NUMBER UHHZ870033	

IMPACT IF NOT PROVIDED: Items will continue to be handled in an inefficient manner, risking damage to valuable aircraft components, continuing deterioration of materials stored outdoors and inefficiently using warehouse space.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4 PROJECT TITLE HIGH DENSITY STORAGE FACILITIES		5. PROJECT NUMBER UHHZ870033

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 FEB 21
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 APR 15
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - ROBINS	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	120
	(b) All Other Design Costs	45
	(c) Total	165
	(d) Contract	0
	(e) In-house	165
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA	4 PROJECT TITLE AIRCRAFT UTILITY OUTLETS

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 812-921	7 PROJECT NUMBER UHHZ860026	8 PROJECT COST ($000) 1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT UTILITY OUTLETS	EA	20	37,000	740
SUPPORTING FACILITIES				785
UTILITIES				(785)
SUBTOTAL				1,525
CONTINGENCY (5%)				76
TOTAL CONTRACT COST				1,601
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				88
TOTAL REQUEST				1,689
TOTAL REQUEST (ROUNDED)				1,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Sub-surface concrete utility lines and pits with aluminum covers. Include electrical, compressed air, water and telephone utilities.

11. REQUIREMENT: 20 EA ADEQUATE: 0 SUBSTANDARD: 26 EA

PROJECT: Construct aircraft utility service outlet pits.

REQUIREMENT: Depot level maintenance on large cargo type aircraft requires properly located utility service pits due to ramp parking of the aircraft while under maintenance and repair. These utility pits are needed for programmed and unprogrammed maintenance requirements to service cargo aircraft. Utilities to be provided include compressed air, 120V and 480V electrical, water and communications lines.

CURRENT SITUATION: The existing twenty-six utility outlets have deteriorated beyond economical repair, and are not properly located for repair of large cargo aircraft. As a result, portable fuel powered utility support units are currently being used, including thirteen air compressors, four electrical generators, twenty-four air conditioning units, twenty-four heaters, and twenty-four light units. This equipment is noisy, emits pollutants, and is energy inefficient. This project will provide the necessary facilities to replace this portable equipment with an energy efficient, and easily maintained aircraft support system.

IMPACT IF NOT PROVIDED: There will be continued use of portable high volume fuel operated support equipment, hazardous noise levels for workers, hydrocarbon emissions to the atmosphere, flammable hazards of oil/fuel spills, and continued high unit maintenance and repair costs for portable fuel powered support units.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE AIRCRAFT UTILITY OUTLETS		5. PROJECT NUMBER UHHZ860026

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in March 1983.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

ROBINS AIR FORCE BASE, GEORGIA

4. PROJECT TITLE AIRCRAFT UTILITY OUTLETS	5. PROJECT NUMBER UHHZ860026

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JAN 03
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 APR 22

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	107
(b)	All Other Design Costs	29
(c)	Total	136
(d)	Contract	60
(e)	In-house	76

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT		2. DATE
AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
TINKER AIR FORCE BASE, OKLAHOMA	AIR FORCE LOGISTICS COMMAND	0.99

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,465	5,989	17,825	0	0	0	3	0	163	25,445
b. END FY 19 91	1,533	6,130	18,544	0	0	0	3	0	163	26,373

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,638)	
b. INVENTORY TOTAL AS OF 30 Sept 85	343,131
c. AUTHORIZATION NOT YET IN INVENTORY	44,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	32,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	26,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	86,370
g. REMAINING DEFICIENCY	310,400
h. GRAND TOTAL	843,801

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-116	Aircraft Maintenance Hangar	138,500	SF	15,000	Oct 84	Nov 86
211-152	Add to and Alter Heat Treatment Facility	12,800	SF	2,300	Nov 84	May 86
211-152	Add to and Alter Engine Tubing and Accessories Shop	12,000	SF	1,650	Jan 85	May 86
211-157	Alter F-107 Engine Facility		LS	1,350	Feb 84	Aug 86
442-257	Add to and Alter Hazardous Storage Facility	73,000	SF	1,800	Oct 84	Jun 86
442-758	Warehouse	177,000	SF	10,800	Jul 82	May 86
	Total			32,900		

9. Future Projects: Included in Following Program (FY 88):

141-821	Add to and Alter Central Processing Facility		LS	7,200
211-152	Advanced Composite Repair Facility	81,000	SF	10,000
214-425	Vehicle Maintenance Facility	12,300	SF	2,300
610-128	Personnel Facility	58,500	SF	5,500
610-284	Supply Management Facility	19,700	SF	1,900
	Total			26,900

10. Mission or Major Functions: Includes an Air Logistics Center responsible for logistics management and support for B-52, KC-135, and A-7D aircraft, air-ground missile systems and aircraft engines. Provides depot level maintenance on above systems plus the E-3A (AWACS) aircraft. Technology Repair Center for aircraft air-driven hydraulic/pneumatics systems, oxygen components, engine and automatic flight control instrumentation. Tenant Units: A Tactical Air Command E-3A (AWACS) wing; Air Force Reserve F-4D group.

AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

TINKER AIR FORCE BASE, OKLAHOMA

AIR FORCE LOGISTICS COMMAND

0.99

6. PERSONNEL STRENGTH

a. AS OF

b. END FY 19

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF

c. AUTHORIZATION NOT YET IN INVENTORY

d. AUTHORIZATION REQUESTED IN THIS PROGRAM

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM

f. PLANNED IN NEXT THREE PROGRAM YEARS

g. REMAINING DEFICIENCY

h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CODE — START — COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	2,300
c.	Occupational safety and health:	0

DD 1390

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4 PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR

5 PROGRAM ELEMENT 7.11.11 - 15,000	6 CATEGORY CODE 211-116	7 PROJECT NUMBER WWYK840006A	8 PROJECT COST ($000) 15,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE HANGAR	SF	138,500	73	10,110
SUPPORTING FACILITIES				3,490
SPECIAL FIRE PROTECTION SYSTEMS	LS			(1,230)
UTILITIES	LS			(1,110)
PAVEMENTS	LS			(580)
SITE IMPROVEMENTS	LS			(570)
SUBTOTAL				13,600
CONTINGENCY (5%)				680
TOTAL CONTRACT COST				14,280
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				785
TOTAL REQUEST				15,065
TOTAL REQUEST (ROUNDED)				15,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(1,750)

10 DESCRIPTION OF PROPOSED CONSTRUCTION A steel and concrete hangar with dock spaces, production support shop, two 7 1/2 ton cranes, AFFF fire suppression system, connections for energy monitoring systems, concrete apron, asphalt access area and all necessary connecting utilities.

11. REQUIREMENT: 624,700 SF ADEQUATE: 486,200 SF SUBSTANDARD: 0

PROJECT: Construct an aircraft maintenace hangar for E-3A aircraft.

REQUIREMENT: Facilities of adequate size and configuration are required to accommodate organizational and depot level maintenance of E-3A aircraft. These airborne warning and control aircraft represent a major national investment in the defense of the free world. Functions to be supported include aircraft maintenance space and the associated support shops. Additional space is required to adequately support the TAC organizational maintenance efforts.

CURRENT SITUATION: At present, there are eight aircraft maintenance spaces on Tinker that can accommodate the E-3A aircraft (including one in the FY 86 MCP). Four spaces are assigned to TAC for organizational level maintenance including fuel cell maintenance and corrosion control operations. These spaces are within the security perimeters of the operational and alert ramps but they only provide two thirds of required space. AFLC has the other four spaces for its required depot level maintenance activities. Two of these spaces, however, are also within the TAC security area. This requires excessive aircraft towing, maintenance delays and additional maintenance management control problems. This project will provide a new hangar for AFLC in the depot maintenance area which will free up two spaces in the TAC area to satisfy

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR		5. PROJECT NUMBER WWYK840006A

the shortfall in TAC organizational maintenance hangar space.
IMPACT IF NOT PROVIDED: Without this project, the AFLC depot maintenance activity will continue to be dispersed and the TAC organizational maintenance functions will continue to be adversely impacted by the lack of sufficient hangar space.
ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in November 1984.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE HANGAR		5. PROJECT NUMBER WWYK840006A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 OCT 25
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	95
	(d) Date Design Complete	86 NOV 12
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	996
	(b) All Other Design Costs	0
	(c) Total	996
	(d) Contract	146
	(e) In-house	850
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Handling Equipment and Support Systems	3080	87-88	1,750

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4 PROJECT TITLE ADD TO AND ALTER HEAT TREATMENT FACILITY

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 211-152	7 PROJECT NUMBER WWYK800272	8 PROJECT COST ($000) 2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADAL HEAT TREATMENT FACILITY	LS			1,474
ADD HEAT TREATMENT FACILITY	SF	12,800	110	(1,408)
ALTER HEAT TREATMENT FACILITY	LS			(66)
SUPPORTING FACILITIES				600
UTILITIES	LS			(225)
SITE IMPROVEMENTS	LS			(75)
PAVEMENTS	LS			(50)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(25)
ELECTRICAL SUBSTATION	LS			(225)
SUBTOTAL				2,074
CONTINGENCY (5%)				104
TOTAL CONTRACT COST				2,178
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				120
TOTAL REQUEST				2,298
TOTAL REQUEST (ROUNDED)				2,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(1,200)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct an addition to Bldg 3001 to expand the existing Heat Treatment Facility to be structurally compatible with existing facility. Area includes production, administration, and material storage area.

11. REQUIREMENT: 41,800 SF ADEQUATE: 29,000 SF SUBSTANDARD: 16,100 SF

PROJECT: Add to and alter a heat treatment facility.

REQUIREMENT: A facility of adequate size and configuration is required to accommodate heat treatment processes in support of depot level overhaul of jet engines, engine accessories and aircraft components. Over 400,000 items are processed each year including J-57, J-79, TF-33 and TF-41 engines and components of B-52, KC-135 and A-7 aircraft.

CURRENT SITUATION: These functions are now being accomplished in portions of two facilities that are over one quarter of a mile apart. Due to overcrowded conditions in the primary heat treatment location, eight vacuum furnaces had to be installed in the second facility. This split operation causes extra handling, increases processing time and increases risks of damage due to exposure and travel distances involved. The electrical power in the building is inadequate to support the existing equipment and there is not enough space to accommodate programmed new equipment. This project will provide properly configured space to expand the primary facility with the necessary utility modifications to consolidate all the heat treatment functions in one location with room to accommodate programmed additional equipment.

IMPACT IF NOT PROVIDED: An unreliable vacuum furnace process, excessive material handling and transportation costs will continue to waste manpower and delay completion of depot maintenance on operational aircraft.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO AND ALTER HEAT TREATMENT FACILITY		5. PROJECT NUMBER WWYK800272

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in March 1983.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO AND ALTER HEAT TREATMENT FACILITY		5. PROJECT NUMBER WWYK800272

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	84 NOV 26
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 MAY 13
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	249
	(b)	All Other Design Costs	0
	(c)	Total	249
	(d)	Contract	180
	(e)	In-house	69
(4)	Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Heat Treatment Processing Equipment	3080	87	1,200

1 COMPONENT AIR FORCE	FY 19_87MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4 PROJECT TITLE ADD TO AND ALTER ENGINE TUBING AND ACCESSORIES SHOP

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 211-152	7 PROJECT NUMBER WWYK860062	8 PROJECT COST ($000) 1,650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER ENGINE TUBING AND ACCESSORIES FACILITY	LS			1,260
ADD TO ENGINE TUBING FACILITY	SF	12,000	100	(1,200)
ALTER ENGINE TUBING FACILITY	LS			(60)
SUPPORTING FACILITIES				225
UTILITIES	LS			(150)
SITE IMPROVEMENTS	LS			(50)
PAVEMENTS	LS			(25)
SUBTOTAL				1,485
CONTINGENCY (5%)				74
TOTAL CONTRACT COST				1,559
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				86
TOTAL REQUEST				1,645
TOTAL REQUEST (ROUNDED)				1,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a steel framed masonry addition to be structurally compatible with existing facility, B/3001. Area includes production, administration, material, storage, restroom and break areas.

11. REQUIREMENT: 12,000 SF ADEQUATE: 0 SUBSTANDARD: 10,300 SF

PROJECT: Add to and alter a depot maintenance facility for an engine tubing and accessories shop.

REQUIREMENT: A facility of adequate size and configuration is required to accommodate the stripping and cleaning of tubing and accessories from engines being received for depot overhaul. These initial steps in the overall depot processing should be physically located in close proximity to the production line. Functions to be accommodated include receiving, unpacking, sorting, tube and accessory stripping, tube cleaning and processing components into the overhaul work flow line.

CURRENT SITUATION: These activities are now being conducted in a portion of a facility that is a mile away from the associated depot rework shops. This dispersed operation creates additional handling and transportation costs. In addition, this space is poorly configured and lacks adequate lighting, ventilation and industrial waste drainage. This project will provide an addition to the primary overhaul facility to correct these problems and to improve the overall flow efficiency of the jet engine depot overhaul operation.

IMPACT IF NOT PROVIDED: These functions will be forced to continue in substandard space that is separated from the mainstream of the engine overhaul procedures, resulting in an adverse impact on the depot mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO ENGINE TUBING AND ACCESSORIES SHOP		5. PROJECT NUMBER WWYK860062

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in March 1983.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO AND ALTER ENGINE TUBING AND ACCESSORIES SHOP		5. PROJECT NUMBER WWYK860062

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JAN 16
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	102
(b)	All Other Design Costs	0
(c)	Total	102
(d)	Contract	12
(e)	In-house	90

(4) Construction start 86 OCT

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4. PROJECT TITLE ALTER F-107 ENGINE FACILITY

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 211-157	7 PROJECT NUMBER WWYK850101	8 PROJECT COST ($000) 1,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER F-107 ENGINE FACILITY	LS			1,071
ENGINE INSPECTION & REPAIR SHOP	SF	38,000	17	(646)
FUEL TANK/LEAK DETECTION SYSTEM	LS			(425)
SUPPORTING FACILITIES				90
SUBTOTAL				1,161
CONTINGENCY (10%)				116
TOTAL CONTRACT COST				1,277
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				70
TOTAL REQUEST				1,347
TOTAL REQUEST (ROUNDED)				1,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter existing engine shop to accommodate the F-107 missile engine testing and recertification. Includes modifying test cells for new engine, test cell power, instrumentation, safety devices, fuel dispensing system, fuel storage tanks and vaults and an environmentally controlled clean room.

Air Conditioning: 70 Tons.

11. REQUIREMENT: 38,000 SF ADEQUATE: 0 SUBSTANDARD: 38,000 SF

PROJECT: Alter an existing engine test shop.

REQUIREMENT: An adequately sized and configured facility is required to accommodate the F-107 missile engine maintenance and recertification procedures. Engines that have not been operated for 36 months require inspection and recertification as operational prior to returning to use. This process cannot be done in the field as it requires test cell operation and static/dynamic mode checks. An environmentally controlled area is required for engine teardown and rebuild. Precision measurement equipment used in certifying engines requires very stringent temperature control to maintain specified tolerances. Vaults for underground fuel storage tanks are required to prevent contamination of ground water and provide capability for tank leak inspections.

CURRENT SITUATION: Depot activation of engine recertification is scheduled for FY 88. The environmentally controlled area, originally proposed for an adjacent facility, cannot be accommodated due to projected workload increases for the B-1B, B-52 and KC-135 aircraft. No facility exists for this activity.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ALTER F-107 ENGINE FACILITY		5. PROJECT NUMBER WWYK850101

IMPACT IF NOT PROVIDED: The engines will to be have contractor recertified. This will increase cost and pipeline time and delay deployment of cruise missiles.

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in August 1985.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ALTER F-107 ENGINE FACILITY		5. PROJECT NUMBER WWYK850101

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 FEB 16
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	73
(b) All Other Design Costs	0
(c) Total	73
(d) Contract	52
(e) In-house	21

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4. PROJECT TITLE ADD TO AND ALTER HAZARDOUS STORAGE FACILITY

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 442-257	7. PROJECT NUMBER WWYK870044	8. PROJECT COST ($000) 1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER HAZARDOUS STORAGE FACILITY	SF	73,000		1,407
ADDITION	SF	(12,900)	58	(748)
STORAGE SHED	SF	(27,900)	12	(335)
ALTERATION	SF	(32,400)	10	(324)
SUPPORTING FACILITIES				170
UTILITIES	LS			(85)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(35)
SUBTOTAL				1,577
CONTINGENCY (10%)				158
TOTAL CONTRACT COST				1,735
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				95
TOTAL REQUEST				1,820
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Addition to match existing building with concrete footings, floor slab, and walls, and built-up roof; concrete loading dock and 18" dike around building. Alteration includes partial air conditioning, mechanical ventilation system, and minor building alterations. Expand existing 13,000 SF open storage to 27,900 SF and cover with shed roof. Provide adequate fire suppression to all areas. Air Conditioning: 100 Tons.

11. REQUIREMENT: 105,700 SF ADEQUATE: 32,500 SF SUBSTANDARD: 32,400 SF

PROJECT: Add to and alter hazardous storage facility and construct a storage shed.

REQUIREMENT: Facilities of adequate size and configuration with proper environmental controls to meet current criteria are required to accommodate the processing and storage of hazardous materials used in depot overhaul operations for assigned weapons systems. Materials to be handled include acids, poisons, petroleum products, oxidizers and nonflammable gases.

CURRENT SITUATION: These hazardous materials are now located in all or part of eight facilities that provide only about 60% of the total space required to properly store and segregate them. Due to the shortage of space, some materials are being kept in open storage areas and general purpose warehouse space that do not provide adequate spill containment features, adequate separation distances between materials or proper temperature controls. In addition, one of the facilities with half of the existing space, does not have sufficient ventilation or environmental controls. This project will provide the necessary

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO AND ALTER HAZARDOUS STORAGE FACILITY		5. PROJECT NUMBER WWYK870044

modifications to an existing facility and additional space to correct these problems and permit safe storage and handling of the 250 different materials within the criteria of the National Fire Code.

IMPACT IF NOT PROVIDED: Hazardous materials will continue to be stored improperly, resulting in safety hazards to base personnel and potential environmental problems.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

TINKER AIR FORCE BASE, OKLAHOMA

4. PROJECT TITLE ADD TO AND ALTER HAZARDOUS STORAGE FACILITY	5. PROJECT NUMBER WWYK870044

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 OCT 23
(b)	Percent Complete as of January 1986	98
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUN 17

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	233
(b)	All Other Design Costs	0
(c)	Total	233
(d)	Contract	37
(e)	In-house	196

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4 PROJECT TITLE WAREHOUSE

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 442-758	7 PROJECT NUMBER WWYK780047	8 PROJECT COST ($000) 10,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WAREHOUSE	SF	177,000		7,492
BASE SUPPLIES & EQUIPMENT WAREHOUSE	SF	(154,300	38	(5,863)
BASE SUPPLY ADMINISTRATION	SF	(22,700	70	(1,589)
SUPPORTING FACILITIES				2,245
UTILITIES	LS			(930)
SITE IMPROVEMENTS	LS			(490)
PAVEMENTS	LS			(700)
COMMUNICATIONS SUPPORT	LS			(125)
SUBTOTAL				9,697
CONTINGENCY (5%)				485
TOTAL CONTRACT COST				10,182
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				560
TOTAL REQUEST				10,742
TOTAL REQUEST (ROUNDED)				10,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON	ADD)		(2,300)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and slab, masonry walls, steel framing and built-up roof. Area includes high bay storage and industrial equipment, weapons storage, processing and admin areas. Includes all necessary utilities and site work.
Air Conditioning: 60 Tons.

11. REQUIREMENT: 259,600 SF ADEQUATE: 82,600 SF SUBSTANDARD: 175,950 SF

PROJECT: Construct a base supply warehouse.

REQUIREMENT: A facility of adequate size and configuration is required to accommodate the processing and storage of supplies and equipment in support of day-to-day peacetime operations as well as contingency conditions. It is essential to consolidate these activities in a facility that provides adequate storage capacity, with proper fire protection systems and modern materials handling systems. Items to be accommodated include standard base supply system supplies and equipment, tool issue and storage, war readiness supply kits, personnel mobility kits, personal equipment and the associated administrative areas.

CURRENT SITUATION: Currently, these activities are housed in seven scattered inadequate facilities and two open storage areas. This dispersed operation, coupled with the inadequately sized and poorly configured nature of the facilities, causes increased workloads, inefficient operations, and unacceptable delays in the processing of materials and equipment. High technology mechanized handling systems cannot be accommodated due to the low ceilings and narrow aisles. Surge requirements for wartime or contingency operations would be handicapped by severe delays and critical restrictions to mission support. These

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE WAREHOUSE		5. PROJECT NUMBER WWYK780047

requirements would include the processing and shipping of the supplies and equipment in support of such tenant organizations as the AWACS aircraft, communications units and a reserve tactical fighter squadron during deployment. The existing facilities cannot be upgraded for these activities due to inadequate size, poor location in relation to the flight line, dispersed nature of their siting and lack of room for expansion. In addition, any upgrade of these existing facilities would not satisfy the base wide space deficiency of over 400,000 SF for both base level and depot level storage space. This project will provide the facility support to accommodate these requirements and allow the existing facilities to be used to satisfy existing depot warehouse deficiencies for such items as jet engine components and B-52 components. IMPACT IF NOT PROVIDED: Peacetime missions cannot be effectively executed and wartime missions will be subjected to delays and critical restrictions.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, TEXAS		
4. PROJECT TITLE WAREHOUSE		5. PROJECT NUMBER WWYK780047

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	82 JUL 12
(b)	Percent Complete as of January 1986	90
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	1,058
(b)	All Other Design Costs	0
(c)	Total	1,058
(d)	Contract	812
(e)	In-house	246

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Mechanized Material Handling System	3080	87	2,300

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4. COMMAND AIR FORCE LOGISTICS COMMAND	5. AREA CONSTR COST INDEX 0.98

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	4537	3768	16681	320	0	0	9	18	248	25,581
b. END FY 19 91	4746	3772	17392	320	0	0	9	18	248	26,505

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (8,249)	
b. INVENTORY TOTAL AS OF 30 Sept 85	655,326
c. AUTHORIZATION NOT YET IN INVENTORY	21,120
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	34,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	36,170
f. PLANNED IN NEXT THREE PROGRAM YEARS	153,840
g. REMAINING DEFICIENCY	41,000
h. GRAND TOTAL	941,956

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218-712	Aircraft Support Equipment Facility	31,500 SF	3,300	Feb 85	Mar 86
310-921	Add to and Alter Biocommunications Laboratory	55,500 SF	7,400	Feb 85	Sep 86
318-612	ADAL Aircraft Fire Protection /Explosion Research Lab	9,300 SF	2,850	Jan 84	Oct 85
851-147	Access Road	LS	15,000	N/A	
851-147	Road	10,400 LF	3,600	Jan 85	May 86
880-200	Hangar Fire Protection System	LS	2,350	Dec 84	Jan 86
	Total		34,500		

9. Future Projects: Included in Following Program (FY 88):

136-666	Upgrade Airfield Lighting	15,800 LF	2,200
141-454	Alter Special Operations Intelligence Facility	75,000 SF	6,000
310-922	Add to Optical Systems Laboratory	14,500 SF	3,560
311-173	Add to and Alter Aircraft Modification Center	14,800 SF	2,150
317-932	Add to Avionics Research Laboratory	109,000 SF	9,110
318-612	Upgrade Aeropropulsion Laboratory	LS	6,180
610-282	Armed Services Courier Station	4,000 SF	570
812-220	Add to and Alter Electrical Substation	LS	3,800
872-247	Flight Line Security Fence	28,000 LF	500
880-221	Fire Protection-Base Facilities	LS	2,100
	Total		36,170

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4. COMMAND AIR FORCE LOGISTICS COMMAND	5. AREA CONSTR COST INDEX 0.98

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

10. Mission or Major Functions: AFLC Headquarters responsible for management, command, control and direction of worldwide logistics support for aircraft weapons systems, missiles and related components; AFSC Aeronautical System Division, Air Force Wright Aeronautical laboratories including Air Force Materials, Avionics, Flight Dynamics, Aeropropulsion Laboratories, Aerospace Medical Research Laboratories and Foreign Technology Division; the Air Force Institute of Technology (AFIT); the Air Force Museum; and an Air Force Reserve tactical fighter squadron of F-4D's.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	1,800
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4 PROJECT TITLE AIRCRAFT SUPPORT EQUIPMENT FACILITY

5 PROGRAM ELEMENT 6.58.07	6 CATEGORY CODE 218-712	7 PROJECT NUMBER ZHTV873301	8 PROJECT COST ($000) 3,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT SUPPORT EQUIPMENT FACILITY	SF	31,500	80	2,520
SUPPORTING FACILITIES				470
UTILITIES	LS			(185)
PAVEMENTS	LS			(235)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				2,990
CONTINGENCY (5%)				150
TOTAL CONTRACT COST				3,140
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				173
TOTAL REQUEST				3,313
TOTAL REQUEST (ROUNDED)				3,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, structural steel frame, masonry walls and built-up roof. Area includes maintenance shops, equipment storage, wash-rack, painting preparation, paint spray, tool and part storage areas, administrative space, pavements, utilities and necessary support. Also includes adjacent mogas, JP-4 and diesel fuel underground storage and a metered pump station. Air conditioning: 5 Tons.

11. REQUIREMENT: 31,500 SF ADEQUATE: 0 SUBSTANDARD: 49,750 SF

PROJECT: Construct an aircraft support equipment facility.

REQUIREMENT: A facility of adequate size and configuration is required for inspection, maintenance, repair, storage and service of over 650 pieces of aircraft support equipment which support transient and assigned aircraft, including the Advanced Range Instrumentation Aircraft fleet, used extensively for tracking and recording data from missile, satellite and manned spacecraft launches. Functions to be accomplished include assembly, disassembly, inspection, storage, cleaning, painting, repair and checkout of equipment.

CURRENT SITUATION: Aircraft support equipment is currently maintained in ten scattered facilities. Management of activities is difficult to control and physical separation of facilities also results in reduced effectiveness. The majority of facilities are located over three miles from aircraft parking areas. Equipment must be towed this distance at 5-15 miles per hour resulting in wasted manhours and difficulty in meeting critical flying schedules. Some inspection and repairs are performed in hangar space or outside on the flightline to meet mission timeliness. An increase in the number of diesel-powered units has

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE AIRCRAFT SUPPORT EQUIPMENT FACILITY		5. PROJECT NUMBER ZHTV873301

increased the need for indoor maintenance and storage. Two substandard facilities will be disposed of on completion of this project.

IMPACT IF NOT PROVIDED: Continued maintenance of the support equipment in scattered and inadequate facilities will seriously curtail testing of critical programs.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

4. PROJECT TITLE AIRCRAFT SUPPORT EQUIPMENT FACILITY	5. PROJECT NUMBER ZHTV873301

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 FEB 07
	(b)	Percent Complete as of January 1986	65
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 MAR 14
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	210
	(b)	All Other Design Costs	0
	(c)	Total	210
	(d)	Contract	165
	(e)	In-house	45
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4 PROJECT TITLE ADD TO AND ALTER BIOCOMMUNICATIONS LABORATORY

5 PROGRAM ELEMENT 6.22.02	6 CATEGORY CODE 310-921	7 PROJECT NUMBER ZHTV873305	8 PROJECT COST ($000) 7,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER BIOCOMMUNICATIONS LABORATORY	SF	55,500	-	5,668
ADDITION	SF	28,200	110	(3,102)
ALTERATION	SF	27,300	94	(2,566)
SUPPORTING FACILITIES				1,013
COMMUNICATIONS	LS			(100)
UTILITIES	LS			(243)
PAVEMENTS	LS			(95)
SITE IMPROVEMENTS	LS			(90)
SHIELDING	LS			(485)
SUBTOTAL				6,681
CONTINGENCY (5%)				334
TOTAL CONTRACT COST				7,015
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				386
TOTAL REQUEST				7,401
TOTAL REQUEST (ROUNDED)				7,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, structural steel frame and built-up roof system, utilities and necessary support. Includes laboratories and TEMPEST. Alteration includes passive solar. Air conditioning - 150 tons.

11. REQUIREMENT: 310,000 SF ADEQUATE: 157,000 SF SUBSTANDARD: 84,300 SF

PROJECT: Construct an addition to and alter the biocommunications laboratory.

REQUIREMENT: An adequate facility is required to conduct in-house research in communications and auditory processing. Especially urgent is the research in command, control, and communication (C3) centers, jamming, synthetic speech devices, voice warning and control systems, artificial intelligence and robotics, and communication effectiveness for chemical warfare garbed personnel.

CURRENT SITUATION: Communications research is being hampered by an extremely overcrowded facility. There is insufficient space for the required number of laboratory experimental stations. Classified research cannot be adequately performed due to the lack of area. Added requirements for research in robotics will require additional space. Quality scientists and engineers interviewed for jobs have declined employment after seeing the crowded areas where they would be required to work.

IMPACT IF NOT PROVIDED: The Air Force will be unable to meet the growing demand for communications research.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE ADD TO AND ALTER BIOCOMMUNICATIONS LABORATORY	5. PROJECT NUMBER ZHTV873305	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 FEB 14
(b) Percent Complete as of January 1986	55
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 15
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	475
(b) All Other Design Costs	0
(c) Total	475
(d) Contract	392
(e) In-house	83
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4 PROJECT TITLE ADD/ALTER AIRCRAFT FIRE PROTECTION/EXPLOSION RESEARCH LAB

5 PROGRAM ELEMENT 6.22.02	6 CATEGORY CODE 318-612	7 PROJECT NUMBER ZHTV863305	8 PROJECT COST ($000) 2,850

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD/ALTER AIRCRAFT FIRE PROTECTION/ EXPLOSION RESEARCH LAB	LS			1,638
ADDITION	SF	1,600	230	(368)
ALTERATION	SF	7,700	165	(1,270)
SUPPORTING FACILITIES				805
COMMUNICATIONS SUPPORT	LS			(100)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(70)
UTILITIES	LS			(65)
PAVEMENTS	LS			(60)
SITE IMPROVEMENTS	LS			(330)
CATHODIC PROTECTION	LS			(95)
WASTE STORAGE TANK	LS			(85)
SUBTOTAL				2,443
CONTINGENCY (10%)				244
TOTAL CONTRACT COST				2,687
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				148
TOTAL REQUEST				2,835
TOTAL REQUEST (ROUNDED)				2,850

10 DESCRIPTION OF PROPOSED CONSTRUCTION A second floor addition and all necessary structural, mechanical and electrical alterations to the first floor laboratory to remove a reciprocating engine test stand and provide four new test cells, two control rooms, data analysis and storage areas, pollution controls, fuel supply system, utilities and necessary support. Air Conditioning: 14 Tons.

11. REQUIREMENT: 24,100 SF ADEQUATE: 14,800 SF SUBSTANDARD: 7,700 SF

PROJECT: Add to and alter a laboratory for aircraft fire protection and explosion research.

REQUIREMENT: A facility is required for aircraft safety and survivability research development. This includes the analysis of aircraft accidents involving fire or explosion to achieve the goals of reducing false fire alarms on-board aircraft, undetected fires, and to increase the effectiveness of fire extinguishing systems for both current and future aircraft systems.

CURRENT SITUATION: Aircraft fire protection and explosion research is conducted in two bays of a 40 year old masonry multi-bay facility originally constructed for testing reciprocating engines. One bay has a number of environmental shortcomings which contribute to inefficient performance and unreliable data. The current deficiencies of the facility consist of inadequate water and fuel drainage capability, fire control, ventilation and pollution control, control room and testing space. There is insufficient space for the computer system and personnel performing data analysis.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE ADD/ALTER AIRCRAFT FIRE PROTECTION/ EXPLOSION RESEARCH LAB		5. PROJECT NUMBER ZHTV863305

IMPACT IF NOT PROVIDED: Without proper evaluation of fire/explosion response of materials and fluids carried on-board aircraft, there exists the possibility of serious hazards which may lead to catastrophic mishaps.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE ADD/ALTER AIRCRAFT FIRE PROTECTION/EXPLOSION RESEARCH LAB		5. PROJECT NUMBER ZHTV863305

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 JAN 20
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 OCT 29
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	207
	(b) All Other Design Costs	0
	(c) Total	207
	(d) Contract	159
	(e) In-house	48
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4 PROJECT TITLE ROAD

5 PROGRAM ELEMENT 7.28.96	6 CATEGORY CODE 851-147	7 PROJECT NUMBER ZHTV863247	8 PROJECT COST ($000) 3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ROAD	LF	10,400	160	1,664
SUPPORTING FACILITIES				1,575
UTILITIES	LS			(655)
SITE IMPROVEMENTS	LS			(320)
RELOCATE LANDFILL	LS			(600)
SUBTOTAL				3,239
CONTINGENCY (5%)				162
TOTAL CONTRACT COST				3,401
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				187
TOTAL REQUEST				3,588
TOTAL REQUEST (ROUNDED)				3,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION Includes asphalt access road, fence, sidewalks, curbs and gutters, traffic control devices, gate house, relocation of softball field lighting in the way of construction.

11. REQUIREMENT: As Required.

PROJECT: Construct a four-lane road to connect the on-base road network with programmed expansion of the state highway system.

REQUIREMENT: A new four-lane arterial road is required for safe, rapid, and orderly transit of vehicles entering/exiting this base following completion of a new defense access highway. Following completion of Ohio State Route 444-A between the base and Interstate I-675, the average daily traffic volume entering the base at this point will increase by 45 percent. A new road by-passing the Air Force Logistics Command headquarters complex is needed to accommodate vehicles destined for other portions of the base. In addition, a well defined, safe delivery route is essential for the many commercial carriers servicing the base.

CURRENT SITUATION: Two gates presently serving this portion of the base have a combined average daily traffic volume of over 12,000 vehicles. Thirty accidents per year occur in the vicinity of the two gates. The on-base road network is currently saturated and cannot handle the increased traffic resulting from the projected defense access highway.

IMPACT IF NOT PROVIDED: Vehicle movements at principal ingress/egress points will remain restricted and hazardous. The outdated base road network will be unable to handle the increased traffic volume resulting in increased numbers of accidents and long lines of vehicles attempting to enter or depart the base.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

4. PROJECT TITLE ROAD	5. PROJECT NUMBER ZHTV863247

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 29
(b) Percent Complete as of January 1986	85
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 26

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	238
(b) All Other Design Costs	0
(c) Total	238
(d) Contract	181
(e) In-house	57

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO	4 PROJECT TITLE HANGAR FIRE PROTECTION SYSTEM

5 PROGRAM ELEMENT 7.28.96	6 CATEGORY CODE 880-200	7 PROJECT NUMBER ZHTV863241	8 PROJECT COST ($000) 2,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HANGAR FIRE PROTECTION SYSTEM	LS			1,785
APFF FOAM SYSTEM	LS			(1,560)
WET PIPE SPRINKLER SYSTEM	LS			(225)
SUPPORTING FACILITIES				335
UTILITIES	LS			(315)
PAVEMENTS	LS			(20)
SUBTOTAL				2,120
CONTINGENCY (5%)				106
TOTAL CONTRACT COST				2,226
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				122
TOTAL REQUEST				2,348
TOTAL REQUEST (ROUNDED)				2,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Install Aqueous Film Forming Foam (AFFF) pre-action systems and automatic sprinkler systems for five existing aircraft maintenance hangars. Includes framework, piping, fittings, utilities and other necessary support.

11. REQUIREMENT: As Required.

PROJECT: Installation of automatic AFFF fire protection systems and sprinkler systems in five aircraft maintenance hangars.

REQUIREMENT: Automatic AFFF pre-action fire suppression and sprinkler systems are required to protect critical base facilities and their contents, including experimental aircraft valued at over $100 million. The fire protection systems are needed to minimize the hazard to life and property by rapidly extinguishing a fire before injury or extensive damage can occur.

CURRENT SITUATION: There are no fire extinguishing systems in five aircraft maintenance hangars used to support the research flying mission at Wright-Patterson AFB. This curtails their use for some procedures and makes all operations more hazardous. A fire in any of these facilities could endanger the entire facility, jeopardize the lives of personnel assigned, and reduce essential mission support.

IMPACT IF NOT PROVIDED: If fire protection is not provided, and a serious fire occurs, the lives of facility occupants will be threatened and possibly lost. Loss of facilities and contents could result in serious operational and financial impacts to the USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE HANGAR FIRE PROTECTION SYSTEM		5. PROJECT NUMBER ZHTV863241

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 DEC 03
	(b) Percent Complete as of January 1986	96
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JAN 10
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	210
	(b) All Other Design Costs	0
	(c) Total	210
	(d) Contract	166
	(e) In-house	44
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
AIR FORCE SYSTEMS COMMAND				
ARNOLD ENGINEERING DEVELOP CENTER, TN				90
ADD TO AND ALTER CHEMICAL LABORATORY	730	730	60	1098
FIRE DEFICIENCY CORRECTIONS	2,800	2,800	40	91
BASE SUBTOTAL:		3,530	3,530	
EDWARDS AFB, CA				93
ADD TO AND ALTER TEST MANAGEMENT AND SECURITY FACILITY	1,400	1,400	85	94
ALTER AVIONICS SHOP	2,300	2,300	100	96
ADD TO AND ALTER AVIONICS RESEARCH LABORATORY	7,200	7,200	75	99
ADD TO PROPELLANT LABORATORY COMPLEX	5,500	5,500	100	101
BASE SUBTOTAL:	16,400	16,400		
EGLIN AFB, FL				103
NONDESTRUCTIVE INSPECTION LABORATORY	720	720	100	1084
FUEL SYSTEMS MAINTENANCE FACILITY	1,650	1,650	90	104
BASE SUBTOTAL:	2,370	2,370		
FORT MACARTHUR, CA				106
ALTER PERSONNEL SUPPORT FACILITY	3,000	3,000	35	107
BASE SUBTOTAL:		3,000	3,000	
HANSCOM AFB, MA				109
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,700	2,700	75	110
ALTER UNACCOMPANIED OFFICER PERSONNEL HOUSING	1,300	1,300	75	112
BASE SUBTOTAL:	4,000	4,000		
PATRICK AFB, FL				115
AIRCRAFT CORROSION CONTROL FACILITIES	2,600	2,600	40	116
BASE SUBTOTAL:	2,600	2,600		
SUNNYVALE AFS, CA				118
ALTER AUTOMATED REMOTE TRACKING STATION	600	600	95	1081
ALTER MISSION CONTROL CENTERS	2,000	2,000	65	119
BASE SUBTOTAL:	2,600		2,600	
COMMAND TOTAL:	34,500		34,500	

1 COMPONENT
AIR FORCE

FY 19~~ ~~87 MILITARY CONSTRUCTION PROGRAM

2 DATE

3 INSTALLATION AND LOCATION
ARNOLD ENGINEERING DEVELOPMENT CENTER, TENNESSEE

4 COMMAND
AIR FORCE SYSTEMS COMMAND

5 AREA CONSTR COST INDEX
0.90

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	97	68	218	0	0	0	0	0	0	383
b. END FY 1991	94	65	222	0	0	0	0	0	0	381

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (39,081)	
b. INVENTORY TOTAL AS OF 30 Sept 85	419,445
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,530
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	59,350
f. PLANNED IN NEXT THREE PROGRAM YEARS	139,100
g. REMAINING DEFICIENCY	79,700
h. GRAND TOTAL	701,125

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-766	Add to and Alter Chemical Laboratory	13,200 SF	730	May 85	Jan 86
880-232	Fire Deficiencies Corrections	LS	2,800	Jan 85	Apr 86
	Total		3,530		

9. Future Projects: (a) Included in Following Program (FY 88):

822-265	Alter Steam Plant	LS	8,300
390-614	Large Altitude Rocket Test Facility, Phase I	LS	50,000
740-669	Composite Recreational Facility	10,000 SF	1,050
	Total		59,350

(b) Typical Next Three Years:

312-476	Engineering Analysis Facility	125,400 LS	14,100
390-614	Large Altitude Rocket Test Facility	LS	125,000
	Total		139,100

10. Mission or Major Functions: An engineering development center which is responsible for management, command, control and direction of major research and development for aircraft, missiles, spacecraft, jet and rocket propulsion systems. Directs contractor operation of the major wind tunnel complexes.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION ARNOLD ENGINEERING DEVELOPMENT CENTER, TENNESSEE	4 PROJECT TITLE FIRE DEFICIENCY CORRECTIONS

5 PROGRAM ELEMENT 6.58.07	6 CATEGORY CODE 880-232	7 PROJECT NUMBER ANZY820005	8 PROJECT COST ($000) 2,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE DEFICIENCY CORRECTIONS	LS			2,413
SUBTOTAL				2,413
CONTINGENCY (10%)				241
TOTAL CONTRACT COST				2,654
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				146
TOTAL REQUEST				2,800
TOTAL REQUEST (ROUNDED)				2,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Correct fire deficiencies in eight test and support facilities. Work includes, but is not limited to: enclosing, sealing and pressurizing stairways; providing outside exits and protected egress routes; replacing combustible facilities; providing containment structures for fuel spills and exterior dump tanks for fuel and oxidizer run tanks; enclosing open storage areas; and providing automatic fire suppression systems and emergency lighting.

11. REQUIREMENT: As required.

PROJECT: Correct fire deficiencies in eight facilities.

REQUIREMENT: Adequate fire protection to improve personnel safety and reduce the probability of catastrophic fires.

CURRENT SITUATION: Many of the test facilities at Arnold have numerous fire and safety deficiencies. Fire suppression systems, egress facilities, detection and alarm equipment, emergency lighting and adequate fuel and oxidizer storage structures are non-existent or inadequate and protection of life and property cannot be assured. Fire protection is provided by manual alarms, portable extinguishers and fire hoses. Safe egress routes and exits are not provided in all areas.

IMPACT IF NOT PROVIDED: The possibility of rapid spread of fuel, oil or equipment fires will continue and occupants may not have sufficient time or clear routes to exit the fire areas. Loss of life, extensive damage to facilities and prolonged interruption of test and support activities could result from a major fire.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3 INSTALLATION AND LOCATION
ARNOLD ENGINEEERING DEVELOPMENT CENTER, TENNESSEE

4 PROJECT TITLE
FIRE DEFICIENCY CORRECTIONS

5. PROJECT NUMBER
ANZY820005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 JAN 15
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 30
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	286
(b) All Other Design Costs	0
(c) Total	286
(d) Contract	210
(e) In-house	76
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4 COMMAND AIR FORCE SYSTEMS COMMAND	5 AREA CONSTR COST INDEX 1.30

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	753	3,495	2,301	0	0	0	46	55	0	6,650
b. END FY 19 91	690	3,402	2,375	0	0	0	46	55	0	6,568

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (307,970)	
b. INVENTORY TOTAL AS OF 30 Sept 85	328,210
c. AUTHORIZATION NOT YET IN INVENTORY	2,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	97,470
g. REMAINING DEFICIENCY	89,900
h. GRAND TOTAL	549,930

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-461	Add to and Alter Test Management and Security Facility	5,750 SF	1,400	Dec 82	Apr 86
217-712	Alter Avionics Shop	21,800 SF	2,300	May 83	Dec 85
317-932	Add to and Alter Avionics Research Laboratory	28,600 SF	7,200	Jun 85	Sep 86
318-632	Add to Propellant Laboratory Complex	11,340 SF	5,500	Feb 85	Apr 86
	Total		16,400		

9. Future Projects: (a) Included in Following Program (FY 88):

141-383	Alter Photo Lab	40,000 SF	3,550
211-159	Corrosion Control Facility	24,600 SF	4,100
317-316	Range Maintenance Facility	5,050 SF	750
317-315	Add to and Alter Flight Test Mission Control Center	30,300 SF	4,800
740-316	Add to and Alter Recreation Facility	27,800 SF	2,300
	Total		15,500

10. Mission or Major Functions: The Air Force Flight Test Center is responsible for flight test activities for all Air Force flying weapons systems. Air Force Test Pilot School provides Air Force resources for programs requiring test pilots. Air Force Rocket Propulsion Laboratory conducts Air Force research and development on rocket propulsion systems. Site of the NASA Dryden Flight Research Facility. Primary landing site for all Space Shuttle test and evaluation flights

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE ADAL TEST MANAGEMENT AND SECURITY FACILITY

5 PROGRAM ELEMENT 6.58.07	6 CATEGORY CODE 141-461	7 PROJECT NUMBER FSPM850003	8 PROJECT COST ($000) 1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER TEST MANAGEMENT & SECURITY FACILITY	SF	5,750		660
ADDITION	SF	5,000	120	(600)
ALTERATION	SF	750	80	(60)
SUPPORTING FACILITIES				625
COMMUNICATIONS SUPPORT	LS			(90)
UTILITIES	LS			(330)
PAVEMENTS	LS			(15)
SITE IMPROVEMENTS	LS			(190)
SUBTOTAL				1,285
CONTINGENCY (5%)				64
TOTAL CONTRACT COST				1,349
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				4
TOTAL REQUEST				1,423
TOTAL REQUEST (ROUNDED)				1,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete and masonry building. Includes a secure conference room, pedestal flooring, soundproof walls, built-in controller consoles, vaulted intelligence area, decontamination showers, secure teleconferencing equipment, and all utilities and support.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 5,750 SF ADEQUATE: 0 SUBSTANDARD: 750 SF

PROJECT: Construct an addition to and alter The Air Force Flight Test Center management and security facility.

REQUIREMENT: An adequately sized facility is required for command and control of operations in support of crisis situations for which the Air Force Flight Test Center has direct responsibility. The facility is required for command and control of tests of aircraft systems, conduct of flight evaluation and recovery of aerospace research vehicle and operation of the Utah Test and Training Range.

CURRENT SITUATION: The facilities used now for current test operations and the Command Post functions are inadequate in size, configuration, security, and physical protection. There is no secure room or vaulted area to conduct classified work. The Commander's alert staff and operations areas are cramped, and provide only minimum security for classified discussions.

IMPACT IF NOT PROVIDED: Test mission/programs will be severely hindered due to the potential for compromise of classified information. The existing inadequate Command Post facility will continue to restrict effective command and control during emergency, routine, and wartime operations.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO ALTER TEST MANAGEMENT & SECURITY FACILITY		5. PROJECT NUMBER FSPM850003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	82 DEC 15
(b) Percent Complete as of January 1986	85
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 15
(2) Basis	
(a) Standard or Definitive Design -	Yes No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	85
(b) All Other Design Costs	210
(c) Total	295
(d) Contract	238
(e) In-house	57
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE ALTER AVIONICS SHOP

5 PROGRAM ELEMENT 6.58.07	6 CATEGORY CODE 217-712	7. PROJECT NUMBER FSPM850005	8. PROJECT COST ($000) 2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AVIONICS SHOP	SF	21,800	61	1,323
SUPPORTING FACILITIES				660
COMMUNICATIONS SUPPORT	LS			(75)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(390)
UTILITIES	LS			(95)
SITE IMPROVEMENTS	LS			(100)
SUBTOTAL				1,983
CONTINGENCY (10%)				198
TOTAL CONTRACT COST				2,181
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				120
TOTAL REQUEST				2,301
TOTAL REQUEST (ROUNDED)				2,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION Upgrade existing facility including installation of electrical bus bars, lower ceiling, new flooring, two air lock doors and new rooms. Air conditioning - 80 tons.

11. REQUIREMENT: 21,800 SF ADEQUATE: 0 SF SUBSTANDARD: 21,800SF

PROJECT: Alter avionics shop.

REQUIREMENT: A facility of adequate size and configuration with proper environmental controls is required to accommodate maintenance tasks on aircraft avionics systems and components. Systems/functions to be accommodated include communications, navigation, flight control, weapons control, sensor, electronic warfare systems and instruments.

CURRENT SITUATION: The present avionics facility is 27 years old and cannot adequately support maintenance of current avionics systems. Dust freely enters the area hampering equipment maintenance. It cannot facilitate computer and test equipment required on the state-of-the-art avionics systems. The facility has poor environmental control, power distribution and outdated fire suppression systems. Temperatures cannot be maintained which affects the operation of highly sensitive test equipment. Weapon system navigation system computer test sets are not operational due to failure of the equipment caused by intermittent high temperatures in the facility. The existing power fluctuations cause improper calibrations and maintenance on the new avionics systems. Pieces of test equipment have been damaged due to power fluctuations. The existing fire suppression system was designed for a munitions maintenance facility and cannot provide a clean laboratory environment.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

EDWARDS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE ALTER AVIONICS SHOP	5. PROJECT NUMBER FSPM850005

IMPACT IF NOT PROVIDED: Current test programs will be subject to unnecessary delays and to continual high risk of damage to highly sensitive and very expensive equipment. Further testing may need to be deferred.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ALTER AVIONICS SHOP		5. PROJECT NUMBER FSPM850005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 MAY 23
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 DEC 18

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	72
(b) All Other Design Costs	83
(c) Total	155
(d) Contract	104
(e) In-house	51

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE ADD TO AND ALTER AVIONICS RESEARCH LABORATORY

5 PROGRAM ELEMENT 6.58.07	6 CATEGORY CODE 317-932	7. PROJECT NUMBER FSPM860003	8. PROJECT COST ($000) 7,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER AVIONICS RESEARCH LABORATORY	SF	28,600	150	4,290
SUPPORTING FACILITIES				2,205
COMMUNICATIONS SUPPORT	LS			(225)
UTILITIES	LS			(650)
PAVEMENTS	LS			(250)
SITE IMPROVEMENTS	LS			(240)
RF SHIELDING	LS			(465)
CONSTRUCTION RADIATION PROTECTION	LS			(375)
SUBTOTAL				6,495
CONTINGENCY (5%)				325
TOTAL CONTRACT COST				6,820
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				375
TOTAL REQUEST				7,195
TOTAL REQUEST (ROUNDED)				7,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NONADD)			(14,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations, steel framed building, RFI shielding, anechoic chamber, large test bay areas with access doors and office space. Includes hydraulic systems, aircraft power systems, computer power, environmental controls, liquid cooling systems, utilities, and necessary support.
Air conditioning: 400 tons.

11. REQUIREMENT: 86,000 SF ADEQUATE: 57,400 SF SUBSTANDARD: 0

PROJECT: Construct addition to and alter the Avionics Research Laboratory.

REQUIRMENT: Additional laboratory test bays are required to increase the capability to test, evaluate and improve avionics systems and reduce flight testing. Rapid advances in avionics technology and improved simulation technology have caused an increasing need for sophisticated avionics ground test and evaluation facilities to support full scale development of avionics in new aerospace vehicles.

CURRENT SITUATION: The existing facility is being utilized to its maximum capacity. The five Avionics Research Laboratory test bays are being utilized fully by the B-1B offensive, B-1B defensive, F-15E, F-16, and HH-60A development. There is no space to test, evaluate and improve the fire and flight control systems of the Advanced Tactical Fighter, the C-17A, and development of advanced avionics simulations and data acquisition software.

IMPACT IF NOT PROVIDED: Future avionics test programs will require more flight testing.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER AVIONICS RESEARCH LABORATORY		5. PROJECT NUMBER FSPM860003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUN 11
(b)	Percent Complete as of January 1986	75
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 25

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	387
(b)	All Other Design Costs	292
(c)	Total	679
(d)	Contract	603
(e)	In-house	76

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Computer/Simulation Equipment	3600	87	13,500
Generators	3600	87	500

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE ADD TO PROPELLANT LABORATORY COMPLEX

5 PROGRAM ELEMENT 6.23.02	6 CATEGORY CODE 318-632	7. PROJECT NUMBER FSPM860010	8. PROJECT COST ($000) 5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO PROPELLANT LABORATORY COMPLEX	SF	11,340		1,985
PILOT PLANT AND CONTROL BLDG	SF	5,100	185	(943)
INGREDIENT AND MOTOR PREP FAC	SF	1,800	145	(261)
INGREDIENT PREP FAC	SF	1,550	220	(341)
PROPELLANT MIX FAC	SF	1,250	165	(206)
CURE AND DRYING BLDGS(2)	SF	440	150	(66)
INGREDIENT STORAGE BLDGS(2)	SF	700	155	(108)
EQUIPMENT WASH FAC	SF	500	120	(60)
SUPPORTING FACILITIES				3,015
COMMUNICATIONS SUPPORT	LS			(170)
UTILITIES	LS			(1,700)
PAVEMENTS/SITE IMPROVEMENTS	LS			(1,145)
SUBTOTAL				5,000
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,250
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				289
TOTAL REQUEST				5,539
TOTAL REQUEST (ROUNDED)				5,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION Facilities with heavily reinforced concrete cells including control rooms, utility rooms, ingredient storage, masonry oven cells, explosion-proof fixtures, static-grounds, instrumentation, paved road, utilities and necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct additional facilities to the propellant laboratory complex.

REQUIREMENT: Adequate facilities are required for the Air Force Rocket Propulsion Laboratory to process nitroglycerine (NG) plasticizers for formulation of experimental high energy solid propellants in development and evaluation of solid propellant technology.

CURRENT SITUATION: Air Force Rocket Propulsion Laboratory propellant chemists experiment on advanced solid propellants. The current laboratory, a small scale operation for mixing solid propellants, cannot safely handle nor can it be modified for nitroglycerine (NG). Attempts to simulate NG with other chemicals have been unsuccessful because the energy, mechanical properties and aging characteristics of the propellant are different from NG propellant. The current laboratory construction and configurations cannot safely control the vapor pressure, surface tension and shock sensitivity of NG in the required quantities.

IMPACT IF NOT PROVIDED: Failure to provide this facility reduces the ability to experiment on advanced solid propellants.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO PROPELLANT LABORATORY COMPLEX		5. PROJECT NUMBER FSPM860010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 11
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 APR 13

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	292
(b)	All Other Design Costs	203
(c)	Total	495
(d)	Contract	437
(e)	In-house	58

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA	4 COMMAND AIR FORCE SYSTEMS COMMAND	5 AREA CONSTR COST INDEX 0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,786	7,032	3,588	0	0	0	232	198	29	12,865
b. END FY 1991	1,781	6,927	3,964	0	0	0	232	198	29	13,131

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (463,795)	
b. INVENTORY TOTAL AS OF 30 Sept 85	372,480
c. AUTHORIZATION NOT YET IN INVENTORY	11,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,370
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	29,450
f. PLANNED IN NEXT THREE PROGRAM YEARS	51,900
g. REMAINING DEFICIENCY	40,500
h. GRAND TOTAL	508,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-153	Nondestructive Inspection Facility	4,000 SF	720	Nov 84	Sep 85
211-179	Fuel Systems Maintenance Facility	16,200 SF	1,650	Jan 85	Feb 86
	Total		2,370		

9. Future Projects: (a) Included in Following Program (FY 88):

310-916	Add to and Alter Computer Service Center	35,700 LS	9,700
721-312	Alter Unaccompanied Enlisted Personnel Housing	596 PN	8,600
800-000	Energy Conservation Investment Program	LS	500
890-000	Central Aircraft Support System	LS	3,200
724-417	Visiting Officer Quarters	200 PN	7,450
	Total		29,450

10. Mission or Major Functions: The Air Force Systems Command Armament Division is responsible for management, command, control and direction of Air Force Systems Command program for research and development of Air Force non-nuclear munitions; an armament Laboratory; a tenant Tactical Fighter Wing with three F-15 squadrons; the USAF Tactical Air Warfare Center; an MC-130 equipped Special Operations Group of the Air Force Reserve; and an Aerospace Rescue and Recovery Wing of the Military Airlift Command.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA	4 PROJECT TITLE FUEL SYSTEMS MAINTENANCE FACILITY

5 PROGRAM ELEMENT 6.58.07	6 CATEGORY CODE 211-179	7 PROJECT NUMBER FTFA871011J	8 PROJECT COST ($000) 1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL SYSTEM MAINTENANCE FACILITY	SF	16,200	75	1,215
SUPPORTING FACILITIES				270
UTILITIES	LS			(75)
PAVEMENTS	LS			(90)
SITE IMPROVEMENTS	LS			(105)
SUBTOTAL				1,485
CONTINGENCY (5%)				74
TOTAL CONTRACT COST				1,559
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				86
TOTAL REQUEST				1,645
TOTAL REQUEST (ROUNDED)				1,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, steel frame superstructure, metal walls and roof, including necessary ventilation, fire protection, apron access and other support.

11. REQUIREMENT: 35,000 SF ADEQUATE: 18,800 SF SUBSTANDARD: 2,400 SF

PROJECT: Construct a fuel systems maintenance facility.

REQUIREMENT: A facility is required to provide an all-weather maintenance capability for fuel systems and fuel system components of aircraft assigned to the Armament Division. The facility must meet all technical, environmental and fire requirements to provide safe and effective maintenance of aircraft fuels systems.

CURRENT SITUATION: The Armament Division does not have a fuel cell facility which will accommodate the aircraft it supports. A small facility used to perform repairs on fuel system components is not large enough to accommodate an aircraft. Work on the airframes, which constitutes the majority of work requirements, is performed outside. Work stoppage from inclement weather requires not only the cessation of work, but the reclosure of open fuel systems to prevent contamination or damage.

IMPACT IF NOT PROVIDED: Aircraft fuel systems maintenance will continue to be performed outdoors under extended delays and unsafe conditions.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE FACILITY		5. PROJECT NUMBER FTFA871011J

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JAN 22
	(b)	Percent Complete as of January 1986	90
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 FEB 17
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	176
	(b)	All Other Design Costs	22
	(c)	Total	198
	(d)	Contract	125
	(e)	In-house	73
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION FORT MACARTHUR, CALIFORNIA	4 COMMAND AIR FORCE SYSTEMS COMMAND	5 AREA CONSTR COST INDEX 1.20

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	2	17	8	0	0	0	0	0	0	27
b. END FY 19 91	2	15	11	0	0	0	0	0	0	28

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (96)	
b. INVENTORY TOTAL AS OF 30 Sept 85	15,100
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	19,650

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740-111	Alter Personnel Support Facility	53,000 SF	3,000	Mar 85	Jun 86

9. Future Projects: (a) Included in Following Program (FY 88):

141-656 Engineering Complex 20,400 SF 1,550

(b) Typical Planned Next Three Years: None

10. Mission or Major Functions: Fort MacArthur - Support for Air Force Space Division at Los Angeles Air Force Station, i.e., site of military family housing for assigned military personnel.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION FORT MACARTHUR, CALIFORNIA	4. PROJECT TITLE ALTER PERSONNEL SUPPORT FACILITY

5. PROGRAM ELEMENT 6.58.06	6 CATEGORY CODE 740-111	7. PROJECT NUMBER HHEK861011A	8. PROJECT COST ($000) 3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER PERSONNEL SUPPORT FACILITY	SF	53,000	45	2,385
SUPPORTING FACILITIES				200
UTILITIES	LS			(60)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS			(110)
SUBTOTAL				2,585
CONTINGENCY (10%)				259
TOTAL CONTRACT COST				2,844
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				156
TOTAL REQUEST				3,000
TOTAL REQUEST (ROUNDED)				3,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Remove existing interior walls, partitions, ceilings, appurtenances and construct new walls, ceilings, new floor covering, appropriate lighting, and utilities.

11. REQUIREMENT: 110,250 SF ADEQUATE: 0 SUBSTANDARD: 83,200 SF

PROJECT: Alter a facility to house various personnel support activities.

REQUIREMENT: Adequate facilities are required to support military personnel and their families residing at Fort MacArthur. There are 236 family housing units at Fort MacArthur. Another 170 units were approved in the FY 85 budget for construction. Space is required for a chapel, library, physical fitness center, youth center, hobby shop, exchange shoppette, barber/beauty shop and laundry/dry cleaners. Secondary utilities, functional specific walls/partitions, doors, lighting, fixtures, wall/floor covering and equipment for nonappropriated funded (NAF) functions will be funded by NAF.

CURRENT SITUATION: Many of the personnel and welfare support functions are housed in early 1900 wooden facilities that have deteriorated beyond repair and must be replaced. They have inadequate lighting and obsolete mechanical and electrical systems. They are too small to handle the projected influx of military personnel and their families. Two substandard wooden facilities will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Deterioration of morale and low retention rates for highly trained, and capable military personnel.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FORT MACARTHUR, CALIFORNIA		
4. PROJECT TITLE ALTER PERSONNEL SUPPORT FACILITY		5. PROJECT NUMBER HHEK861011A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 11
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	200
	(b) All Other Design Costs	120
	(c) Total	320
	(d) Contract	285
	(e) In-house	35
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION HANSCOM AIR FORCE BASE, MASSACHUSETTS	4 COMMAND AIR FORCE SYSTEMS COMMAND	5 AREA CONSTR COST INDEX 1.13

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,166	970	2,795	0	0	0	55	12	0	4,998
b. END FY 1991	1,150	929	2,765	0	0	0	55	12	0	4,911

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,075)	
b INVENTORY TOTAL AS OF 30 Sept 85	118,800
c AUTHORIZATION NOT YET IN INVENTORY	24,700
d AUTHORIZATION REQUESTED IN THIS PROGRAM	4,000
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,200
f PLANNED IN NEXT THREE PROGRAM YEARS	23,680
g REMAINING DEFICIENCY	23,400
h GRAND TOTAL	214,780

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-312	Alter Unaccompanied Enlisted Personnel Housing	492 PN	2,700	Jun 85	Apr 86
724-415	Alter Unaccompanied Officer Personnel Housing	96 PN	1,300	Jun 85	Apr 86
	Total		4,000		

9. Future Projects: Included in Following Program (FY 88):

740-674	Add to and Alter Gymnasium	LS	2,250
317-315	Systems Management Engineering Facility	101,500	11,400
740-880	Child Care Center	8,500 SF	2,000
610-128	Alter Base Administration Facility	60,400 SF	4,550
	Total		20,200

10. Mission or Major Functions: Electronics Systems Division is the responsible headquarters for management, command, control and direction of all electronics associated research and development with the Air Force Systems Command; the Air Force Geophysics Laboratory which conducts research on terrestrial, atmospheric, and space environments; and the Air Force Computer Acquisition Center of the Air Force Communications Command.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HANSCOM AIR FORCE BASE, MASSACHUSETTS	4 PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
6.58.06	721-312	MXRD870026	2,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (492 PN)	SF	101,500	22	2,233
SUPPORTING FACILITIES				110
COMMUNICATIONS SUPPORT	LS			(80)
UTILITIES	LS			(30)
SUBTOTAL				2,343
CONTINGENCY (10%)				234
TOTAL CONTRACT COST				2,577
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				142
TOTAL REQUEST				2,719
TOTAL REQUEST (ROUNDED)				2,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural, and mechanical work necessary to upgrade existing housing to acceptable standards of living. Includes interior upgrade in four buildings, installation of mechanical refrigeration equipment in two of the buildings and connections to the Central Energy Management Control System (EMCS). Air conditioning - 170 tons.

Grade Mix: 432 E1-E4, 52 E5-E6, 8 E7-E8.

11. REQUIREMENT: 492 PN ADEQUATE: 0 SUBSTANDARD: 492 PN

PROJECT: Alter unaccompanied enlisted personnel housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates. The Air Force should remove this irritant to maintain an effective force of experienced airmen.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1955. They have inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

HANSCOM AIR FORCE BASE, MASSACHUSETTS

4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER MXRD870026

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 20
	(b) Percent Complete as of January 1986	75
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 APR 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	125
	(b) All Other Design Costs	29
	(c) Total	154
	(d) Contract	118
	(e) In-house	36
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HANSCOM AFB, MASSACHUSETTS	4 PROJECT TITLE ALTER UNACCOMPANIED OFFICER PERSONNEL HOUSING

5 PROGRAM ELEMENT 6.58.06	6 CATEGORY CODE 724-415	7 PROJECT NUMBER MXRD850037	8 PROJECT COST ($000) 1,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED OFFICER PERSONNEL HOUSING (96 PN)	SY	42,400	23	975
SUPPORTING FACILITIES				130
COMMUNICATIONS SUPPORT	LS			(80)
UTILITIES	LS			(50)
SUBTOTAL				1,105
CONTINGENCY (10%)				111
TOTAL CONTRACT COST				1,216
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				67
TOTAL REQUEST				1,283
TOTAL REQUEST (ROUNDED)				1,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural, architectural, and mechanical work necessary to upgrade existing housing to acceptable standards of living. Includes installation of mechanical and refrigeration equipment, entrance, stairwell and hallway renovation and connections to the central Energy Management Control System (EMCS). Air Conditioning: 140 Tons. Grade Mix: 72 O1-O2, 24 O3-O10.

11. REQUIREMENT: 96 PN ADEQUATE: 0 SUBSTANDARD: 96 PN

PROJECT: Alter two unaccompanied officer personnel housing.

REQUIREMENT: A major Air Force objective is to provide personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide a satisfactory living environment is essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low retention rates. The Air Force should remove this irritant to maintain an effective force of experienced personnel.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1965 and 1966. They have no air conditioning and rooms are supplied with outside air through screened windows. During periods of high outside temperatures and humidity, the existing ventilation system merely provides hot outside air which cannot satisfy a proper environment for the living quarters day or night. Doors, entrance ways, stairwells and hallways are drab and inadequate and acoustical treatment is minimal.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HANSCOM AIR FORCE BASE, MASSACHUSETTS		
4. PROJECT TITLE ALTER UNACCOMPANIED OFFICER PERSONNEL HOUSING		5. PROJECT NUMBER MXRD850037

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity, career satisfaction and retention of the officer force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HANSCOM AIR FORCE BASE, MASSACHUSETTS		
4. PROJECT TITLE ALTER UNACCOMPANIED OFFICER PERSONNEL HOUSING		5. PROJECT NUMBER MXRD850037

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUN 20
(b)	Percent Complete as of January 1986	75
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 APR 15

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	69
(b)	All Other Design Costs	15
(c)	Total	84
(d)	Contract	61
(e)	In-house	23

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA	4 COMMAND SPACE COMMAND	5 AREA CONSTR COST INDEX 0.96

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	526	2,672	1,363	0	0	0	105	109	0	4,775
b. END FY 19 91	539	2,745	1,293	0	0	0	105	109	0	4,791

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,341)	
b. INVENTORY TOTAL AS OF 30 Sept 85	120,060
c. AUTHORIZATION NOT YET IN INVENTORY	4,010
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	18,700
g. REMAINING DEFICIENCY	12,000
h. GRAND TOTAL	159,370

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-159	Aircraft Corrosion Control Facilities	33,600 SF	2,600	Apr 84	Jun 86

9. Future Projects: (a) Included in Following Program (FY 88):

880-232	Fire Suppression System	98,500 SF	2,000
	(b) Typical Planned Next Three Years:		
219-944	Base Civil Engineering Facilities	76,200 SF	6,700
442-758	Base Supply Complex	166,000 PN	12,000
	Total		18,700

10. Mission or Major Functions: Air Force Systems Command base for DoD, NASA, and AF space programs. Air Force Technical Applications Center and Eastern Space and Missile Center. Tactical Air Command close air support training unit (OV-10, O-2). DoD Equal Opportunity Management Institute.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA	4 PROJECT TITLE AIRCRAFT CORROSION CONTROL FACILITIES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	211-159	SXHT863035	2,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT CORROSION CONTROL FACILITIES	LS			1,337
AIRCRAFT CORROSION CONTROL FACILITY	SF	10,600	98	(1,038)
ALTER AIRCRAFT WASHRACK	SF	23,000	13	(299)
SUPPORTING FACILITIES				1,025
SPECIAL FIRE PROTECTION SYSTEMS	LS			(440)
UTILITIES	LS			(285)
PAVEMENTS	LS			(85)
SITE IMPROVEMENTS	LS			(135)
COMMUNICATIONS SUPPORT	LS			(80)
SUBTOTAL				2,362
CONTINGENCY (5%)				118
TOTAL CONTRACT COST				2,480
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				136
TOTAL REQUEST				2,616
TOTAL REQUEST (ROUNDED)				2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Pre-engineered metal building on reinforced concrete foundation. Includes fire protection, ventilation of 50,000 cubic feet per minute, all utilities and necessary support. A roof cover with sides over an existing open aircraft washrack.

11. REQUIREMENT: 33,600 SF ADEQUATE: 0 SUBSTANDARD: 2,500 SF

PROJECT: Construction of a corrosion control facility that will accommodate an entire aircraft for washing and treating and cover existing wash rack.

REQUIREMENT: Adequate space, properly sized and configured in which fighter aircraft and aerospace ground equipment can be completely enclosed in a controlled temperature work area for cleaning and painting. The facility must meet all technical, safety and health requirements to provide safe and effective aircraft corrosion control.

CURRENT SITUATION: The aircraft assigned to Patrick AFB are parked 1,400 feet from the Atlantic Ocean and have been exposed for several years to the salt-laden easterly air flow which has caused major structural problems in the aircraft fleet, particularly in the wings of all aircraft. Corrosion control operations are temporarily performed in an area within an aircraft maintenance hangar. This space is shared with the fuel systems section and the painting process has to be discontinued during fuel system maintenance because of environmental health restrictions. The scheduling of corrosion control work is routinely deferred resulting in a significant backlog of corrosion control work.

IMPACT IF NOT PROVIDED: Corrosion control will be restricted by inadequate facilities which will accelerate deterioration of aircraft and adversely impact the flying mission at this location.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA		
4 PROJECT TITLE AIRCRAFT CORROSION CONTROL FACILITIES		5 PROJECT NUMBER SXHT863035

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 APR 30
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 29

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	320
(b) All Other Design Costs	18
(c) Total	338
(d) Contract	218
(e) In-house	120

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT		2 DATE
AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
SUNNYVALE AIR FORCE STATION, CALIFORNIA	AIR FORCE SYSTEMS COMMAND	1.25

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	501	597	304	0	0	0	0	0	0	1,402
b. END FY 19 91	304	575	298	0	0	0	0	0	0	1,177

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (23)	
b INVENTORY TOTAL AS OF 30 Sept 85	40,550
c AUTHORIZATION NOT YET IN INVENTORY	2,700
d AUTHORIZATION REQUESTED IN THIS PROGRAM	2,600
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,000
f PLANNED IN NEXT THREE PROGRAM YEARS	8,150
g REMAINING DEFICIENCY	26,000
h GRAND TOTAL	86,000

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312-941	Alter Automated Remote Tracking Station Facility	2,000 SF	600	Apr 85	Feb 86
312-941	Alter Mission Control Centers	19,300 SF	2,000	Apr 85	Jul 86
	Total		2,600		

9. Future Projects: (a) Included in Following Program (FY 88):

312-941	Alter Technical Space	LS	6,000

(b) Typical Planned Next Three Years:

131-132	Communications Facility	7,000 SF	1,750
312-941	Alter Operations Center	7,200 SF	800
411-134	Upgrade Fuel Storage	LS	5,600
	Total		8,150

10. Mission or Major Functions: Sunnyvale - Air Force Satellite Control Facility operates for the Space Division a worldwide network of tracking stations to perform on-orbit tracking, data acquisition, and command and control of DOD space vehicles.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SUNNYVALE AIR FORCE STATION, CALIFORNIA	4 PROJECT TITLE ALTER MISSION CONTROL CENTERS

5 PROGRAM ELEMENT 3.51.10	6 CATEGORY CODE 312-941	7 PROJECT NUMBER WMSJ871011H	8 PROJECT COST ($000) 2,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER MISSION CONTROL CENTERS	SF	19,300		1,118
ARCHITECTURAL	SF	19,300	13	(250)
MECHANICAL	SF	19,300	18	(347)
ELECTRICAL	SF	19,300	27	(521)
SUPPORTING FACILITIES				605
SPECIAL FIRE PROTECTION SYSTEMS	LS			(160)
COMMUNICATIONS SUPPORT	LS			(280)
RESTRICTED WORKING CONDITIONS	LS			(165)
SUBTOTAL				1,723
CONTINGENCY (10%)				172
TOTAL CONTRACT COST				1,895
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				104
TOTAL REQUEST				1,999
TOTAL REQUEST (ROUNDED)				2,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(1,960)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Interior demolition, raised flooring, partition walls, electrical, fire protection and air conditioning. Provides alterations and additions to security alarm systems and other work necessary to provide a complete and usable facility.

11. REQUIREMENT: As required.

PROJECT: Alter two Mission Control Complexes (MCC).

REQUIREMENT: Adequate facilities for MCC that support the Air Force Satellite Control Facility (AFSCF) mission. The MCC provides central control and monitoring of AFSCF satellite tracking programs.

CURRENT SITUATION: Existing technical equipment/operation spaces in the MCCs are not configured to accommodate new data processing equipment being installed under the Data Systems Modernization (DSM) program. The DSM will modernize the current network of data processing systems.

IMPACT IF NOT PROVIDED: Additional equipment cannot be supported until an adequate MCC is provided. The AFSCF will not be able to support missions of highest national priority.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3. INSTALLATION AND LOCATION

SUNNYVALE AIR FORCE STATION, CALIFORNIA

4. PROJECT TITLE ALTER MISSION CONTROL CENTERS	5. PROJECT NUMBER WMSJ871011H

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 05
	(b) Percent Complete as of January 1986	65
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete -	86 JUL 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	153
	(b) All Other Design Costs	0
	(c) Total	153
	(d) Contract	153
	(e) In-house	0
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Automated Data Processing Equipment	3080	87	1,960

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
AIR TRAINING COMMAND				
CHANUTE AFB, IL				122
WEATHER TRAINING FACILITY	8,700	8,700	60	123
LIQUID FUELS TRAINING FACILITY	2,600	2,600	60	125
BASE SUBTOTAL:	11,300	11,300		
GOODFELLOW AFB, TX				127
UNACCOMPANIED OFFICER PERSONNEL HOUSING	10,000	10,000	35	128
BASE SUBTOTAL:	10,000	10,000		
KEESLER AFB, MS				130
ECIP-FACILITY ENERGY IMPROVEMENTS	1,970	1,970	100	1068
DEFENSE ACCESS ROAD	3,200	3,200	N/A	1064
BASE SUBTOTAL:	5,170	5,170		
LACKLAND AFB, TX				131
ACADEMIC FACILITY-SECURITY POLICE	5,500	5,500	35	132
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	16,000	16,000	35	134
BASE SUBTOTAL:	21,500	21,500		
LAUGHLIN AFB, TX				136
LAND ACQUISITION-AUXILIARY AIRFIELD	3,700	3,700	N/A	137
MATHER AFB, CA				139
T-9 NOISE SUPPRESSOR SUPPORT FACILITY	740	740	45	1081
ACCOUNTING & FINANCE FACILITY	0	1,500	95	140
BASE SUBTOTAL:	740	2,240		
RANDOLPH AFB, TX				142
ADMINISTRATIVE FACILITY (AFMEA)	2,250	2,250	50	143
BASE SUBTOTAL:	2,250	2,250		
SHEPPARD AFB, TX				146
MEDICAL TRAINING FACILITY	0	14,200	100	147
BASE SUBTOTAL:	0	14,200		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
WILLIAMS AFB, AZ				150
FLIGHT SIMULATOR RESEARCH FACILITY	4,900	4,900	55	151
CONSOLIDATED SUPPORT FACILITY	3,800	3,800	60	152
BASE SUBTOTAL:	8,700	8,700		
COMMAND TOTAL:	63,360	79,060		
BASE SUBTOTAL:	3,700	3,700		

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION CHANUTE AIR FORCE BASE, ILLINOIS	4 COMMAND AIR TRAINING COMMAND	5 AREA CONSTR COST INDEX 1.03

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	290	2,212	1233	182	4279	55	3	288	18	8,560
b. END FY 19 91	297	2,266	1237	339	4653	47	1	276	17	9,133

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,174)	
b. INVENTORY TOTAL AS OF 30 Sept 85	180,837
c. AUTHORIZATION NOT YET IN INVENTORY	1,730
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,260
f. PLANNED IN NEXT THREE PROGRAM YEARS	43,150
g. REMAINING DEFICIENCY	9,900
h. GRAND TOTAL	252,177

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-621	Weather Training Facility	95,000 SF	8,700	Apr 85	Aug 86
171-625	Liquid Fuels Training Facility	18,000 SF	2,600	Apr 84	Jun 86
	Total		11,300		

9. Future Projects: (a) Included in Following Program (FY 88):

432-283	Cold Storage Facility	24,000 SF	4,400
610-284	Recruiting Group Facility	8,900 SF	860
	Total		5,260

(b) Typical Planned Next Three Years:

610-128	Base Personnel Office	84,830 SF	12,600
721-312	Alter Unaccompanied Enlisted Personnel Housing	432 PN	6,000
730-773	Chapel Center	12,000 SF	2,250

10. Mission or Major Functions: A Technical Training Center, including aircraft maintenance, aerospace ground equipment maintenance, missile maintenance, metals technology, fuels, weather, and fire fighting training.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CHANUTE AIR FORCE BASE, ILLINOIS	4 PROJECT TITLE WEATHER TRAINING FACILITY

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 171-621	7 PROJECT NUMBER DJDB878100	8 PROJECT COST ($000) 8,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEATHER TRAINING FACILITY	SF	95,000	73	6,935
SUPPORTING FACILITIES				900
UTILITIES	LS			(500)
PAVEMENTS	LS			(60)
SITE IMPROVEMENTS	LS			(140)
COMMUNICATIONS SUPPORT	LS			(200)
SUBTOTAL				7,835
CONTINGENCY (5%)				392
TOTAL CONTRACT COST				8,227
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				452
TOTAL REQUEST				8,679
TOTAL REQUEST (ROUNDED)				8,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(6,970)

10 DESCRIPTION OF PROPOSED CONSTRUCTION A two story structural steel and masonry building with concrete footings and floors, shear walls, metal roof, observation deck, and instrumentation tower. Includes extensive equipment and computer laboratories and all support facilities. Air Conditioning : 300 Tons.

11. REQUIREMENT: 95,000 SF ADEQUATE: 0 INADEQUATE: 79,200 SF

PROJECT: Construct a weather training facility.

REQUIREMENT: A facility of adequate size and configuration with proper environmental controls is required to accommodate weather training activities in support of Army, Navy and Air Force requirements.

CURRENT SITUATION: School functions are now being conducted in a portion of a 45 year old building that was originally built as a dormitory. The rooms are not configured for adequate classroom space and technical laboratories do not have sufficient power or environmental controls to properly support the training equipment currently available. There is no space available to accommodate three new courses with their associated new equipment which will adversely impact interservice training needs. This project will provide a new facility to accommodate the known training requirements with properly sized and configured space and with adequate power and environmental controls.

IMPACT IF NOT PROVIDED: Weather training will continue to be adversely impacted by inadequate facilities. New training requirements cannot be accommodated which will prevent the latest weather forecasting technology being taught to the tri-service students.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CHANUTE AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE WEATHER TRAINING FACILITY		5. PROJECT NUMBER DJDB878100

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 APR 24
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 18

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	538
(b) All Other Design Costs	0
(c) Total	538
(d) Contract	463
(e) In-house	75

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CHANUTE AIR FORCE BASE, ILLINOIS	4 PROJECT TITLE LIQUID FUELS TRAINING FACILITY

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 171-625	7 PROJECT NUMBER DJDB868970	8 PROJECT COST ($000) 2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LIQUID FUELS TRAINING FACILITY	SF	18,000		1,710
QUALITY CONTROL TRAINING LAB	SF	(6,000)	145	(870)
LIQUID FUELS TRAINING	SF	(12,000)	70	(840)
SUPPORTING FACILITIES				620
UTILITIES	LS			(370)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(70)
SPECIAL FOUNDATIONS	LS			(50)
COMMUNICATIONS SUPPORT	LS			(30)
SUBTOTAL				2,330
CONTINGENCY (5%)				117
TOTAL CONTRACT COST				2,447
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				135
TOTAL REQUEST				2,582
TOTAL REQUEST (ROUNDED)				2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Pre-engineered steel structure attached to a masonry and steel structure with reinforced concrete floors and foundations. Includes equipment training rooms, laboratories, and support facilities. Air Conditioning: 35 Tons

11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SUBSTANDARD: 17,290 SF

PROJECT: Construct a liquid fuels technology training facility.

REQUIREMENT: An adequate facility is required for academic classrooms and shops for use in liquid fuels technology training. Facility also includes laboratories with environmental and safety features for fuels quality control laboratory training.

CURRENT SITUATION: Liquid fuels maintenance classes are currently conducted in antiquated reciprocating engine test cells which are dysfunctional and inadequately ventilated, lighted, and heated. There are no latrines or required emergency showers available in the building. The existing laboratories and makeshift classrooms are too small for current and projected student loads and create an unsafe and unhealthy environment for training. Space limitations have caused a 24 hour around-the-clock training requirement that is not conducive to proper learning. One substandard facility will be disposed of as a result of this project.

IMPACT IF NOT PROVIDED: Training will continue in inadequate, inefficient, and unsafe classrooms and laboratories. Students will not receive optimum training and motivation.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION CHANUTE AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE LIQUID FUELS TRAINING FACILITY		5. PROJECT NUMBER DJDB868970

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 APR 13
(b)	Percent Complete as of January 1986	60
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUN 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	161
(b)	All Other Design Costs	0
(c)	Total	161
(d)	Contract	116
(e)	In-house	45

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE, TEXAS	4 COMMAND AIR TRAINING COMMAND	5 AREA CONSTR COST INDEX 0.87

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	95	1,063	328	40	471	3	0	695	1	2,696
b. END FY 19 91	116	1,309	408	292	1275	3	0	728	1	4,132

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,139)	
b. INVENTORY TOTAL AS OF 30 Sept 85	49,468
c. AUTHORIZATION NOT YET IN INVENTORY	34,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	13,550
g. REMAINING DEFICIENCY	12,600
h. GRAND TOTAL	130,568

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
724-415	Unaccompanied Officer Personnel Housing	260 PN	10,000	Nov 84	Aug 86

9. Future Projects: (a) Included in Following Program (FY 88):

171-611	SCI Training Facility	54,000 SF	4,650
610-281	Mission Support Complex	45,300 SF	3,350
740-674	Gymnasium	29,500 SF	2,850
		Total	10,850

(b) Typical Planned Next Three Years:

130-142	Fire Station	6,400 SF	1,400
721-312	Alter Unaccompanied Enlisted Personnel Housing	270 PN	4,300
740-674	Chapel Center	17,000 SF	3,450

10. Mission or Major Functions: A technical training center responsible for all cryptologic training provided to Air Force personnel and other Department of Defense agencies; in the process of housing all AF intelligence training.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE, TEXAS	4 PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 724-415	7 PROJECT NUMBER JCGU860906	8 PROJECT COST ($000) 10,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED OFFICER				
PERSONNEL HOUSING (260 PN)	SF	135,800		6,978
OFFICERS QUARTERS	SF	(124,000)	50	(6,200)
ADMINISTRATION	SF	(11,800)	66	(778)
SUPPORTING FACILITIES				2,010
UTILITIES	LS			(470)
PAVEMENTS	LS			(250)
SITE IMPROVEMENTS	LS			(150)
COMMUNICATIONS	LS			(890)
SPECIAL FOUNDATIONS	LS			(250)
SUBTOTAL				8,988
CONTINGENCY (5%)				449
TOTAL CONTRACT COST				9,437
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				519
TOTAL REQUEST				9,956
TOTAL REQUEST (ROUNDED)				10,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Two three-story CMU/brick veneer buildings, reinforced concrete slab, built-up roof with exterior lightweight concrete walkways. All supporting structures and utilities. Grade Mix 230 01-02, 30 03-06. Air Conditioning: 380 Tons.

11. REQUIREMENT: 300 PN ADEQUATE: 40 PN SUBSTANDARD: 0

PROJECT: Construct unaccompanied officer personnel housing facilities.

REQUIREMENT: Adequate on-base quarters are required to accommodate officer personnel assigned and/or attached for training at Goodfellow AFB. On-base quarters are needed to assure these officers are provided a comfortable and healthful environment conducive to proper rest and individual well being. Adequate space is needed for centralized billeting management and student squadron orderly room management.

CURRENT SITUATION: Present capacity is totally inadequate to house the projected increase in officer personnel associated with the consolidation of intelligence training at this base. Off-base commercial facilities are over 8 miles from the base and are expensive. Off-base quarters would separate the students from technical libraries and their support facilities and it would be a detriment to a good training environment. This project will provide the space to properly house this programmed increase in personnel.

IMPACT IF NOT PROVIDED: Adequate living quarters for officer personnel will be unavailable, which will adversely affect their morale and the overall training mission.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE, TEXAS		
4 PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING		5. PROJECT NUMBER JCGU860906

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 NOV 28
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 28
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	808
(b) All Other Design Costs	0
(c) Total	808
(d) Contract	0
(e) In-house	808
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI	4. COMMAND AIR TRAINING COMMAND	5. AREA CONSTR COST INDEX 0.84

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,005	4,921	2,439	679	5453	61	32	25	99	14,714
b. END FY 19 91	1,068	5,056	2,448	977	6328	59	27	27	134	16,124

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,546)	
b. INVENTORY TOTAL AS OF 30 Sept 85	238,249
c. AUTHORIZATION NOT YET IN INVENTORY	10,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	69,300
g. REMAINING DEFICIENCY	9,900
h. GRAND TOTAL	347,019

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
800-000	Energy Conservation Investment Program	LS	1,970	May 84	Jul 85
851-147	Defense Access Road	LS	3,200	N/A	
		Total	5,170		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	1,000 PN	13,900
	(b) Typical Planned Next Three Years:		
171-000	COMSEC Training Facility	100,000 SF	13,850
610-243	Mission Support Complex	46,200 SF	4,950
721-312	Alter Unaccompanied Enlisted Personnel Housing	974 PN	16,500
740-674	Gymnasium	28,500 SF	4,700

10. Mission or Major Functions: A Technical Training Center for electronics, communications, personnel, administration and air traffic control courses. Active mission support activities include active (MAC) and reserve (AFR) weather reconnaissance units, an Airborne Command and Control unit (TAC), an Engineering Installation Group (AFCS) and a USAF Medical Center.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	1,375
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS	4. COMMAND AIR TRAINING COMMAND	5. AREA CONSTR COST INDEX 0.86

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,584	5,010	1,963	88	14338	32	10	182	20	23,227
b. END FY 1991	1,613	5,075	1,991	95	16506	24	11	216	22	25,553

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,791)	
b. INVENTORY TOTAL AS OF 30 Sept 85	317,737
c. AUTHORIZATION NOT YET IN INVENTORY	22,750
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	28,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	31,945
g. REMAINING DEFICIENCY	50,100
h. GRAND TOTAL	472,832

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-621	Academic Facility-Security Police	65,200 SF	5,500	Nov 84	Aug 86
721-312	Unaccompanied Enlisted Personnel Housing	1,000 PN	16,000	May 85	Aug 86
	Total		21,500		

9. Future Projects: (a) Included in Following Program (FY 88):

171-621	Consolidated Training Complex	33,000 SF	3,600
427-758	Logistics Complex	268,500 SF	12,800
510-411	Add to and Alter Training Center Clinic	44,320 SF	4,000
724-415	Unaccompanied Officer Personnel Housing	300 PN	8,400
	Total		28,800

(b) Typical Planned Next Three Years:

722-357	Dining Hall	600 SE	4,850

10. Mission or Major Functions: Major activities include the AF Military Training Center, the principal center for initial processing of officer and enlisted personnel and for basic military training; a technical training wing for Air Force personnel in fields of security police and social actions; and the Wilford Hall Medical Center (AFSC) which services medical needs of area Department of Defense beneficiaries.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	5,000
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS	4 PROJECT TITLE ACADEMIC FACILITY-SECURITY POLICE

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 171-621	7 PROJECT NUMBER MPLS879008F	8 PROJECT COST ($000) 5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACADEMIC FACILITY-SECURITY POLICE	SF	65,000	70	4,550
SUPPORTING FACILITIES				420
UTILITIES	LS			(90)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(110)
COMMUNICATIONS SUPPORT	LS			(20)
SUBTOTAL				4,970
CONTINGENCY (5%)				249
TOTAL CONTRACT COST				5,219
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				287
TOTAL REQUEST				5,506
TOTAL REQUEST (ROUNDED)				5,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, structural frame, and roof system, insulation and masonry walls. All utilities and supporting facilities. Air Conditioning - 240 Tons

11. REQUIREMENT: 65,000 SF ADEQUATE: 0 SUBSTANDARD: 53,100 SF

PROJECT: Construct a security police technical training facility.

REQUIREMENT: A facility of adequate size and configuration with proper environmental controls is required to accommodate the Air Force's security police technical training school. Functions include classrooms, laboratories, physical training area, visual aids and support space.

CURRENT SITUATION: School functions are currently conducted in two 30 year old wood frame buildings that have deteriorated beyond economical repair. Not only are these buildings too small but they are also poorly configured to adequately accommodate current state-of-the art teaching techniques, including visual and physical training aids. This project will correct these deficiencies and will allow the disposal of the two substandard facilities.

IMPACT IF NOT PROVIDED: Technical training required for students in the security police community will continue to be severely curtailed due to the lack of adequate training space.

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE ACADEMIC FACILITY SECURITY POLICE		5. PROJECT NUMBER MPLS879008F

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 NOV 02
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 AUG 01
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	397
	(b) All Other Design Costs	0
	(c) Total	397
	(d) Contract	0
	(e) In-house	397
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS	4 PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER MPLS869029F	8 PROJECT COST ($000) 16,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (1,000 PN)	SF	213,000		10,866
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	SF	(190,000)	51	(9,690)
CENTRALIZED STORAGE	SF	(14,000)	48	(672)
ADMINISTRATION	SF	(9,000)	56	(504)
SUPPORTING FACILITIES				3,520
UTILITIES	LS			(1,100)
PAVEMENTS	LS			(450)
SITE IMPROVEMENTS	LS			(600)
COMMUNICATIONS SUPPORT	LS			(750)
HEAT/AIR CONDITIONING PLANT	LS			(420)
EMCS	LS			(200)
SUBTOTAL				14,386
CONTINGENCY (5%)				719
TOTAL CONTRACT COST				15,105
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				831
TOTAL REQUEST				15,936
TOTAL REQUEST (ROUNDED)				16,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation, masonry walls, air conditioning, smoke detectors, all utilities and other necessary support. Grade Mix: 1000 E2-E4 Air Conditioning: 300 Tons.

11. REQUIREMENT: 19,576 PN ADEQUATE: 14,408 PN SUBSTANDARD: 8,926 PN

PROJECT: Construct unaccompanied enlisted personnel housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: Technical training pipeline and TDY student personnel currently reside in wood frame substandard Korean War era dormitories that have exceeded their life expectancy. They lack privacy, sound attenuation, insulation, and proper lighting. The mechanical systems are deteriorated and do not support the occupants' needs. These facilities do not conform to present criteria and cannot be upgraded to current standards. Seventeen dormitories will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the personnel will continue to be degraded.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER MPLS869029F	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 22
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 28

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - 86

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	1116
(b)	All Other Design Costs	0
(c)	Total	1116
(d)	Contract	0
(e)	In-house	1116

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION LAUGHLIN AIR FORCE BASE, TEXAS	4. COMMAND AIR TRAINING COMMAND	5. AREA CONSTR COST INDEX 0.96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	488	1,907	550	431	0	0	0	0	2	3,378
b. END FY 19 91	511	1,764	569	420	0	0	0	0	2	3,266

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,496)	
b. INVENTORY TOTAL AS OF 30 Sept 85	86,781
c. AUTHORIZATION NOT YET IN INVENTORY	1,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	790
f. PLANNED IN NEXT THREE PROGRAM YEARS	23,050
g. REMAINING DEFICIENCY	15,700
h. GRAND TOTAL	131,921

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
911-146	Land Acquisition-Auxillary Airfield	787 AC	3,700	N/A	

9. Future Projects: (a) Included in Following Program (FY 88):

218-852	Survival Equipment Shop	8,950 SF	790

(b) Typical Planned Next Three Years:

219-000	Base Civil Engineering Complex	53,000 SF	4,600
610-249	Mission Support Complex	30,000 SF	2,800
721-312	Unaccompanied Enlisted Personnel Housing	212 PN	4,500
740-674	Gymnasium	28,500 SF	4,200

10. Mission or Major Functions: A flying training wing conducting classroom and flying training required to develop undergraduate pilot proficiency in T-37 and T-38 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	3,000
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LAUGHLIN AIR FORCE BASE, TEXAS	4 PROJECT TITLE LAND ACQUISITION-AUXILIARY AIRFIELD

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 911-146	7 PROJECT NUMBER MXDP849991	8 PROJECT COST ($000) 3,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION-AUXILIARY AIRFIELD	AC	787	4,450	3,502
BIRD STRIKE HAZARDS	LS			200
TOTAL REQUEST				3,702
TOTAL REQUEST (ROUNDED)				3,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Acquisition of Land Fee Sample and Easement of approximately 787 acres. Sufficient land will be acquired to provide the required lateral clearance for the runway, adequate AICUZ land for expanded clear zone, parking apron, fire protection space, and elimination of bird strike hazard.

11. REQUIREMENT: As required.

PROJECT: Provide fee purchase of approximately 787 acres of leased land at Eagle Pass Auxiliary Airfield.

REQUIREMENT: A government owned auxiliary airfield is required to support the flying training mission at Laughlin AFB, Texas. The number of training events require four runways to support both primary and basic phases of training. One installation cannot safely provide the required support because of the maximum limit of two overhead flight patterns. The auxiliary field provides the required support for the primary phase of training. This field accommodates an average daily load of 185 students.

CURRENT SITUATION: Loss of the current lease for any reason will result in a requirement to construct a totally new facility since no other existing facilities could be leased to satisfy Air Force requirements. The government currently owns 97.8 acres of the Eagle Pass Auxiliary Airfield, with the balance owned by private interest and Maverick County. Lease loss could result from several influencing factors including current pressure by the FAA to cease operation of the municipal airport in the city with one alternative being a move of this operation to Eagle Pass Auxiliary Airfield. Joint use by students and

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PAGE NO

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LAUGHLIN AIR FORCE BASE, TEXAS		
4. PROJECT TITLE LAND ACQUISITION-AUXILIARY AIRFIELD		5. PROJECT NUMBER MXDP849991

general aviation would create an unacceptable hazard to both. This project will provide the necessary land for its continued use by the Air Force.

IMPACT IF NOT PROVIDED: Loss of this auxiliary field would cripple pilot training at Laughlin AFB.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MATHER AIR FORCE BASE, CALIFORNIA	4. COMMAND AIR TRAINING COMMAND	5. AREA CONSTR COST INDEX 1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,047	3,016	1,167	666	0	0	27	53	12	5,988
b. END FY 19 91	1,091	3,184	1,158	669	0	0	27	53	12	6,194

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,847)	
b. INVENTORY TOTAL AS OF 30 Sept 85	155,500
c. AUTHORIZATION NOT YET IN INVENTORY	2,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,240
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	26,850
g. REMAINING DEFICIENCY	18,900
h. GRAND TOTAL	208,690

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-183	T-9 Noise Suppressor Support Facility	LS	740	Sep 85	Jul 86
610-249	Accounting and Finance Facility	16,900 SF	1,500*	May 84	Mar 86
	Total Appropriation Request		2,240		
	Total Authorization Request		740		
	Carry-over Authorization in FY 86		1,500*		

9. Future Projects: (a) Included in Following Program (FY 88):

211-179	Fuel Systems Maintenance Deck	17,600 SF	2,500
	(b) Typical Planned Next Three Years:		
141-453	Base Flight Operations Facility	11,500 SF	2,050
218-852	Add to Parachute Shop	3,000 SF	500
219-941	Base Engineer Complex	69,000 SF	6,100
740-844	Child Care Center	5,600 SF	1,000

10. Mission or Major Functions: A major training school developing undergraduate navigator proficiency; a Strategic Air Command heavy bombardment wing; and Strategic Air Command and Air Force Reserve air refueling squadrons.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MATHER AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE ACCOUNTING AND FINANCE FACILITY

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 610-249	7 PROJECT NUMBER PLXL868019	8 PROJECT COST ($000) 1,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACCOUNTING/FINANCE FACILITY	SF	16,900	75	1,268
SUPPORTING FACILITIES				100
SITE IMPROVEMENT	LS			(25)
UTILITIES	LS			(25)
SEISMIC	LS			(10)
PAVEMENTS	LS			(30)
DEMOLITION	LS			(10)
SUBTOTAL				1,368
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,436
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				79
TOTAL REQUEST				1,515
TOTAL REQUEST (ROUNDED)				1,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, structural steel frame, tilt-up concrete wall panels, insulated built-up roof on metal decking. Includes vault, administration space, latrines, cashier cage, computer input rooms, files storage, lobby, mechanical room, utilities and all necessary support. Air Conditioning: 40 Tons

11. REQUIREMENT: 16,900 SF ADEQUATE: 0 SUBSTANDARD: 13,000 SF

PROJECT: Construct an accounting and finance facility.

REQUIREMENT: A properly configured and environmentally controlled facility is required to accommodate base accounting, budget, pay, travel managerial assistance, and financial management functions. Modern electronic equipment requirements necessitate environmentally controlled work areas. These tasks require space to house assigned military and civilian personnel and customers.

CURRENT SITUATION: The accounting and finance functions are located in a WW II wood frame building that has deteriorated beyond economical repair. The electrical and mechanical systems cannot properly support these activities. There have been several failures in structural members, siding has fallen off and dry rot exists throughout the building. The existing system heat/swamp cooler environmental control system does not provide reasonable working conditions in either winter or summer. This project will provide a new facility to accommodate these activities and will permit the disposal of two substandard facilities.

IMPACT IF NOT PROVIDED: The lack of an adequate facility will prohibit modernization and upgrading of capabilities of the comptroller division.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MATHER AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE ACCOUNTING AND FINANCE FACILITY	5. PROJECT NUMBER PLXL868019

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a)	Date Design Started	84 MAY 07
(b)	Percent Complete as of January 1986	95
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAR 03

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - 84

(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	121
(b)	All Other Design Costs	50
(c)	Total	171
(d)	Contract	126
(e)	In-house	45

(4) Construction start 87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS	4 COMMAND AIR TRAINING COMMAND	5 AREA CONSTR COST INDEX 0.86

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,725	3,497	2,452	173	0	0	16	32	7	7,902
b. END FY 19 91	1,749	3,465	2,574	173	0	0	16	32	7	8,016

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,818)	
b. INVENTORY TOTAL AS OF 30 Sept 85	110,827
c. AUTHORIZATION NOT YET IN INVENTORY	5,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	39,780
g. REMAINING DEFICIENCY	24,800
h. GRAND TOTAL	192,157

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
610-000	Administrative Facility (AFMEA)	22,600 SF	2,250	Apr 85	Sep 86

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Unaccompanied Enlisted Personnel Housing	335 PN	5,000
724-415	Unaccompanied Officer Personnel Housing	80 PN	3,900
		Total	8,900

(b) Typical Planned Next Three Years:

171-815	Precission Maintenance Equipment Laboratory	2,000 SF	1,000
211-152	Aircraft Maintenance Complex	138,180 SF	15,500
722-351	Dining Hall	LS	1,400

10. Mission or Major Functions: A flying training wing conducting ground and flying training to develop pilot instructors proficiency in T-37 and T-38 aircraft; a Military Airlift Command C-21 unit maintaining an operational airlift force; Air Training Command headquarters responsible for management, control and direction of units at training bases; Air Force Recruiting Service Headquarters responsible for management of all Air Force recruiting units; and the Air Force Management Engineering Agency which is responsible for the management engineering program; and the USAF Instrument Flight Center which prepares and monitors AF directives and publications governing instrument flight.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	800
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS	4 PROJECT TITLE ADMINISTRATIVE FACILITY (AFMEA)

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 610-000	7 PROJECT NUMBER TYMX870001	8 PROJECT COST ($000) 2,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADMINISTRATIVE FACILITY (AFMEA)	SF	22,600	78	1,763
SUPPORTING FACILITIES				290
UTILITIES	LS			(40)
PAVEMENTS	LS			(45)
SITE IMPROVEMENTS	LS			(40)
SPECIAL FOUNDATIONS	LS			(100)
COMMUNICATIONS SUPPORT	LS			(60)
SUBTOTAL				2,048
CONTINGENCY (5%)				102
TOTAL CONTRACT COST				2,150
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				118
TOTAL REQUEST				2,268
TOTAL REQUEST (ROUNDED)				2,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation, concrete floor, stucco walls and clay tile roof. Two story building includes administrative offices, conference room, word processing and computer rooms, mechanical equipment room, utilities and other necessary support. Air Conditioning: 50 Tons.

11. REQUIREMENT: 22,600 SF Adequate: 0 Substandard: 30,300 SF

PROJECT: Construct a new facility to house the Air Force Management Engineering Agency (AFMEA).

REQUIREMENT: A facility of adequate size and configuration with proper environmental controls is required to accommodate equipment and personnel engaged in development of manpower standards in support of Air Force worldwide missions. Functions to be accommodated include manpower management activities, administrative areas, computer hardware, computer tape storage and necessary support activities.

CURRENT SITUATION: AFMEA is presently located in three wood frame facilities, which have deteriorated beyond economical repair. This arrangement inhibits communications and computer support and drastically reduces efficiency. The space is inadequate to properly support these activities due to poor configuration and inadequate electrical and mechanical systems. The lack of adequate space, coupled with the separation of related functions, prohibits maximum utilization of available personnel, delays management decisions, complicates computer processing, generates dissatisfaction in the workforce and degrades prompt completion of manpower validation actions. This project will

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE ADMINISTRATIVE FACILITY (AFMEA)		5. PROJECT NUMBER TYMX870001

provide the necessary adequate space to accommodate the AFMEA mission and will permit the disposal of three substandard facilities. The project will amortize in less than five years primarily from savings resulting from the reduction of ten manpower authorizations.

IMPACT IF NOT PROVIDED: Without this project, management engineering personnel will continue to be housed in substandard facilities, expanding computational and analytical requirements supportive of the AFMEA mission cannot be effectively met and projected savings will not be realized.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE ADMINISTRATION FACILITY		5. PROJECT NUMBER TYMX870001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 APR 09
	(b)	Percent Complete as of January 1986	50
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 29
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	122
	(b)	All Other Design Costs	0
	(c)	Total	122
	(d)	Contract	76
	(e)	In-house	46
(4)	Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
SHEPPARD AIR FORCE BASE, TEXAS	AIR TRAINING COMMAND	0.87

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	687	2,899	1,404	340	4951	120	99	189	13	10,702
b. END FY 19 91	694	2,921	1,422	350	5252	101	98	261	28	11,127

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,608)	
b. INVENTORY TOTAL AS OF 30 Sept 85	203,045
c. AUTHORIZATION NOT YET IN INVENTORY	16,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,290
f. PLANNED IN NEXT THREE PROGRAM YEARS	21,570
g. REMAINING DEFICIENCY	18,100
h. GRAND TOTAL	280,355

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-621	Medical Training Facility	103,900 SF	14,200*	Jul 84	Dec 85
	Total Appropriation Request		14,200		
	Total Authorization Request		0		
	Carry-Over Authorization in FY 86		14,200*		

9. Future Projects: (a) Included in Following Program (FY 88):

724-415	Unaccompanied Officer Personnel Housing	120 PN	5,200
730-772	Add to Chapel Center	13,800 SF	1,800
800-000	Energy Conservation	LS	290
	Total		7,290

(b) Typical Planned Next Three Years:

442-415	Base Supply Complex	164,000 SF	8,000
730-441	Education Center	17,600 SF	1,700

10. Mission or Major Functions: A flying training wing for US and foreign students to develop proficiency in T-37 and T-38 aircraft through classroom and flying training. Also hosts a Technical Training Center for aircraft maintenance, civil engineering, comptroller, transportation and instructor training; the USAF Health Care Science School; and a USAF Regional Hospital.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	10,150
c.	Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION SHEPPARD AIR FORCE BASE, TEXAS	4. PROJECT TITLE MEDICAL TRAINING FACILITY

5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 171-621	7. PROJECT NUMBER VNVP862001	8. PROJECT COST ($000) 14,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MEDICAL TRAINING FACILITY	SF	103,900	115	11,949
SUPPORTING FACILITIES				860
UTILITIES	LS			(550)
SITE IMPROVEMENT	LS			(90)
SPECIAL FOUNDATIONS	LS			(80)
SEISMIC	LS			(60)
PAVEMENTS	ls			(80)
SUBTOTAL				12,809
CONTINGENCY (5%)				640
TOTAL CONTRACT COST				13,449
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				740
TOTAL REQUEST				14,189
TOTAL REQUEST (ROUNDED)				14,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete floor slab, drilled shaft foundations, masonry walls with built-up roof. Includes laboratory and dental clinic training areas, extension of pavement to serve new facility, utilities and all necessary support functions. Air Conditioning: 300 Tons

11. REQUIREMENT: 423,600 SF Adequate: 65,300 SF Substandard: 258,300 SF

PROJECT: Construct a medical training facility.

REQUIREMENT: Facilities of adequate size and configuration with proper environmental controls are required to accommodate Air Force medical training programs including health care sciences, dentistry and biomedical sciences. Functions to be accommodated include classrooms, laboratories, faculty areas, administrative space, storage and support space. The Average Daily Student Load (ADSL) will increase to nearly 2,600 students by 1988.

CURRENT SITUATION: These activities are now being conducted in all or part of eight facilities that provide less than 75 percent of the space needed to properly support the current and programmed student load. The continued growth in medical training has caused some courses to use a three shift operation with the resultant degradation of training. The current saturation level will be further impacted by the projected increase in the ADSL. These overcrowded conditions are further handicapped by poorly configured classrooms and by laboratories that have antiquated built-in equipment, unsatisfactory open drains and no chemical dilution tanks. This project will provide most of the additional space required to support the expanded ADSL and a follow-on MCP project will upgrade the existing substandard space to satisfy the total requirement.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE MEDICAL TRAINING FACILITY		5. PROJECT NUMBER VNVP862001

IMPACT IF NOT PROVIDED: Lack of additional appropriate training space for medical training will make it impossible to accommodate new or revised training.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SHEPPARD AIR FORCE BASE, TEXAS		
4. PROJECT TITLE MEDICAL TRAINING FAC		5. PROJECT NUMBER VNVP862001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JUL 15
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 DEC 19

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	1158
(b)	All Other Design Costs	0
(c)	Total	1158
(d)	Contract	983
(e)	In-house	175

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
WILLIAMS AIR FORCE BASE, ARIZONA	AIR TRAINING COMMAND	0.99

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	573	1,979	587	435	0	0	0	0	3	3,677
b. END FY 19 91	601	2,074	708	423	0	0	0	0	3	3,809

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,762)	
b. INVENTORY TOTAL AS OF 30 Sept 85	85,172
c. AUTHORIZATION NOT YET IN INVENTORY	2,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	24,610
g. REMAINING DEFICIENCY	10,300
h. GRAND TOTAL	136,532

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310-925	Flight Simulator Research Facility	30,700 SF	4,900	Dec 84	Aug 86
610-000	Consolidated Support Facility	50,000 SF	3,800	Aug 82	Feb 86
	Total		8,700		

9. Future Projects: (a) Included in Following Program (FY 88):

211-111	Add to Aircraft Maintenance Facility	9,230 SF	1,150
211-157	Jet Engine Maintenance Shop	32,000 SF	4,100
	Total		5,250

(b) Typical Planned Next Three Years:

141-453	Base Flight Operations Facility	8,700 SF	1,150
219-9a44	Base Engineering Complex	26,900 SF	1,950
721-312	Alter Unaccompanied Enlisted Personnel Housing	412 PN	5,400

10. Mission or Major Functions: A flying wing conducting classroom and flying training for proficiency of undergraduate pilots in T-37 and T-38 aircraft; a TAC fighter training squadron conducting security assistance flying training for foreign students in F-5 aircraft; AFSC Human Resources Lab doing research on flight simulators.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
WILLIAMS AIR FORCE BASE, ARIZONA	FLIGHT SIMULATOR RESEARCH FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
6.32.27	310-925	YZJU850540	4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT SIMULATOR RESEARCH FACILITY	SF	30,700	100	3,070
SUPPORTING FACILITIES				1,365
COMMUNICATIONS SUPPORT	LS			(200)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(50)
UTILITIES	LS			(250)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(25)
TEMPEST SHIELDING	LS			(800)
SUBTOTAL				4,435
CONTINGENCY (5%)				222
TOTAL CONTRACT COST				4,657
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				256
TOTAL REQUEST				4,913
TOTAL REQUEST (ROUNDED)				4,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete facility with TEMPEST security for computer and simulator areas. Includes site preparation and excavation; concrete foundation and floor slabs; structural steel frame; masonry walls and built up roof; halon, grounding, utilities and other necessary support.
AIR CONDITIONING - 250 tons.

11. REQUIREMENT: 87,100 SF; ADEQUATE: 56,400 SF; SUBSTANDARD: 11,300 SF

PROJECT: Construct a facility to conduct flight simulator research.

REQUIREMENT: A secure, adequately sized, laboratory facility is required to conduct research on combat flight simulators. Aircraft flight simulators provide training of combat air crews to maintain their proficiency. This research uses performance characteristics of U.S. equipment, enemy threats and weapon models and tactics to develop a simulated combat training program. The requirement for use of secure data while performing operational training research is critical to simulator technology development and related threat countermeasures.

CURRENT SITUATION: There are no existing facilities on base to provide adequate secure space to permit accurate combat simulation of classified US aircraft systems and enemy threats. Additional adequate laboratory space is required to meet combat training research and development acquisition and expansions. Three double-wide trailers are used for engineering analysis, remote terminal operations and electronic equipment repair which is totally unsatisfactory. These trailers will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Without this facility, there will be a continuation of compromise in information security and lack of space for effective R&D work.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WILLIAMS AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE FLIGHT SIMULATOR RESEARCH FACILITY .		5. PROJECT NUMBER YZJU850540

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 DEC 19
	(b) Percent Complete as of January 1986	55
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 AUG 03
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	259
	(b) All Other Design Costs	174
	(c) Total	433
	(d) Contract	325
	(e) In-house	108
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WILLIAMS AIR FORCE BASE, ARIZONA	4 PROJECT TITLE CONSOLIDATED SUPPORT FACILITY

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 610-000	7 PROJECT NUMBER YZJU830526	8 PROJECT COST ($000) 3,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED SUPPORT FACILITY	SF	50,000	57	2,850
SUPPORTING FACILITIES				600
COMMUNICATIONS SUPPORT	LS			(250)
UTILITIES	LS			(100)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(150)
SUBTOTAL				3,450
CONTINGENCY (5%)				173
TOTAL CONTRACT COST				3,623
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				199
TOTAL REQUEST				3,822
TOTAL REQUEST (ROUNDED)				3,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Masonry walls, concrete foundation and floor slab and structural steel frame. Air Conditioning: 200 Tons

11. REQUIREMENT: 56,700 SF ADEQUATE: 6,700 SF SUBSTANDARD: 53,260 SF

PROJECT: Construct a consolidated support facility.

REQUIREMENT: A facility of adequate size and configuration is required to accommodate organizations and functions that provide a service to the military and civilian personnel working on the installation. A central facility will simplify operating procedures, reduce processing time and improve effectiveness.

CURRENT SITUATION: The organizations and functions on this installation that provide services to the military personnel, their dependents, civilian employees and retired military personnel are located in all or part of 12 widely dispersed facilities. Several of these are WW II wood frame structures that are generally inadequate in size and configuration, structurally unsound, energy inefficient, and lack adequate electrical, mechanical and fire protection systems. Because of the distance separating these functions, it is extremely time consuming and difficult to conduct all necessary business. This project will provide a single facility to house the primary functions that support the personnel and will permit the disposal of 4 substandard facilities.

IMPACT IF NOT PROVIDED: Essential military and civilian personnel support functions will be forced to continue in dispersed, substandard high resource consuming facilities.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WILLIAMS AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE CONSOLIDATED SUPPORT FACILITY		5. PROJECT NUMBER YZJU830526

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	82 AUG 30
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 FEB 10

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	40
(b) All Other Design Costs	0
(c) Total	40
(d) Contract	0
(e) In-house	40
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
AIR UNIVERSITY				
GUNTER AFS, AL				155
ALTER ELECTRICAL DISTRIBUTION SYSTEM	2,900	2,900	50	156
BASE SUBTOTAL:	2,900	2,900		
MAXWELL AFB, AL				158
SQ OFFICERS SCHOOL-LEADERSHIP DEVELOPMENT COMPLEX	0	1,800	100	159
ADD TO AND ALTER ACADEMIC FACILITY (ACSC)	1,700	1,700	40	162
VEHICLE MAINTENANCE COMPLEX	3,100	3,100	40	165
CHAPEL ANNEX	510	510	50	1075
BASE SUBTOTAL:	5,310	7,110		
COMMAND TOTAL:	8,210	10,010		

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION GUNTER AIR FORCE STATION, ALABAMA	4 COMMAND AIR UNIVERSITY	5 AREA CONSTR COST INDEX 0.76

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	360	974	841	5	225	45	0	2	11	2,463
b. END FY 19 91	391	924	935	5	225	45	0	2	11	2,538

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (368)	
b. INVENTORY TOTAL AS OF 30 Sept 85	55,656
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,050
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,395
g. REMAINING DEFICIENCY	28,800
h. GRAND TOTAL	106,801

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812-220	Alter Electrical Distribution System	LS	2,900	Jun 85	Feb 86

9. Future Projects: (a) Included in Following Program (FY 88):

610-287	Extension Course Institute	114,000 SF	8,900
610-717	Field Printing Plant	35,000 SF	3,150
		Total	12,050

(b) Typical Planned Next Three Years:

100-000	Various Operations and Training Facilities	LS	7,395

10. Mission or Major Functions: Active mission support activities include the Standard Informations System Center ; the Extension Course Institute, which is the Air Force-wide correspondence school. An Air Force Logistics Management Center; and the Air Force Senior NCO Academy.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GUNTER AIR FORCE STATION, ALABAMA	4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
8.57.96	812-220	PNQS852041	2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER ELECTRICAL DISTRIBUTION SYSTEM	LS			2,450
SUPPORTING FACILITIES				45
UTILITIES	LS			(5)
SITE IMPROVEMENTS	LS			(40)
SUBTOTAL				2,495
CONTINGENCY (10%)				250
TOTAL CONTRACT COST				2,745
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				151
TOTAL REQUEST				2,896
TOTAL REQUEST (ROUNDED)				2,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Replace existing electrical substation with 12.47KV substation. Convert existing overhead and underground 4.16KV distribution lines to 12.47KV by reinsulation of lines and replacing 4.16KV transformers with 12.47KV units. Install new feeders to the new substation, and reroute existing feeders.

11. REQUIREMENT: As required.

PROJECT: Alteration of the existing electrical distribution system.

REQUIREMENT: An electrical distribution system, with sufficient capacity and switching capability for peak load demands, is required to provide adequate power to each base facility. Power demands have increased over the 40 years that the system has existed and have generated a need for an upgraded electrical distribution system to accommodate the current and projected load.

CURRENT SITUATION: The existing electrical distribution system is currently being operated at maximum capacity, with only limited capability to transfer loads at peak times. The main substation is physically overcrowded with improper and unsafe clearances between equipment items. The existing conductors are worn and in poor condition due to the long, high-load uses. Construction and demolition of base facilities has shifted the electrical load centers, and the distribution system has not been altered to safely accommodate the shift.

IMPACT IF NOT PROVIDED: Continued operation in a dangerous overload condition may cause failure in one or more electrical feeders which will cause prolonged disruption to the mission.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GUNTER AIR FORCE STATION, ALABAMA		
4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM		5. PROJECT NUMBER PMQS852041

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUN 01
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 FEB 16

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	202
(b) All Other Design Costs	0
(c) Total	202
(d) Contract	120
(e) In-house	82

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA	4. COMMAND AIR UNIVERSITY	5. AREA CONSTR COST INDEX 0.74

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	896	1,500	1,694	1740	46	14	0	0	98	5,988
b. END FY 19 91	896	1,502	1,694	1740	46	14	0	0	98	5,990

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,346)	
b. INVENTORY TOTAL AS OF 30 Sept 85	114,783
c. AUTHORIZATION NOT YET IN INVENTORY	6,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,110
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	16,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	20,390
g. REMAINING DEFICIENCY	44,350
h. GRAND TOTAL	208,983

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-851	SOS Leadership Development Complex	LS	1,800*	Jan 84	May 85
171-851	Add to and Alter Academic Facility (ACSC)	17,600 SF	1,700	Mar 85	Feb 86
214-425	Vehicle Maintenance Complex	42,750 SF	3,100	Sep 85	May 86
730-771	Chapel Annex	4,000 SF	510	May 85	Jan 86
	Total Appropriation Request		7,110		
	Total Authorization Request		5,310		
	Carry-over Authorization in FY 86		1,800*		

9. Future Projects: (a) Included in Following Program (FY 88):

442-758	Base Supply Facility	137,300 SF	6,450
610-000	Consolidated Support Complex	124,000 SF	9,800
	Total		16,250

(b) Typical Planned Next Three Years:

113-321	Replace Taxiway/Ramp	111,200 SY	3,700
130-142	Fire Station	10,780 SF	1,500
610-287	AU Headquarters Facility	61,750 SF	4,000

10. Mission or Major Functions: Supports a major command headquarters - Air University (AU)-and is the Air Force professional education center. Major units include AU, Air War College, Air Command and Staff School, Squadron Officers School, Leadership and Management Development Center, Headquarters - ROTC, Civil Air Patrol - USAF. Also hosts a USAF Regional Hospital and an Air Force Reserve tactical airlift squadron.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA	4. PROJECT TITLE SOS LEADERSHIP DEVELOPMENT COMPLEX

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8.57.96	171-851	PNOS832014	1,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOS LEADERSHIP DEVELOPMENT COMPLEX	LS			1,451
FIELD LEADERSHIP BUILDING	SF	14,600	72	(1,051)
ATHLETIC FIELDS, COURTS AND TRACKS	LS			(400)
SUPPORTING FACILITIES				215
UTILITIES	LS			(125)
PAVING	LS			(40)
SITE IMPROVEMENT	LS			(50)
SUBTOTAL				1,666
CONTINGENCY (5%)				83
TOTAL CONTRACT COST				1,749
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				96
TOTAL REQUEST				1,845
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor, concrete block walls and built-up roof. Includes supply branch, dressing rooms, showers, latrines, storage space, utilities, athletic fields, courts and tracks and all necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct a leadership development complex for Squadron Officer's School.

REQUIREMENT: Facilities of adequate size and configuration are required to accommodate field leadership activities associated with the curriculum of the Air Force's Squadron Officer's School (SOS). These activities involve about 20 percent of the curriculum and include various outdoor leadership development events which stress military readiness in a leadership environment.

CURRENT SITUATION: Currently, these activities are in three WWII buildings, that are poorly located and have deteriorated beyond economical repair with inadequate electrical and mechanical systems. Much of the existing complex is sited in the airfield clear zone. Students, faculty and spectators using these areas are placed in a potentially hazardous situation in the event of an aircraft mishap. In addition, the facilities are located at the opposite side of the base from the academic and the billeting areas. This remoteness from the main academic area contributes to traffic congestion, causes lost training time and creates inefficient management of these important school activities. This project will provide a new complex that is

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE SOS LEADERSHIP DEVELOPMENT COMPLEX		5. PROJECT NUMBER PNQS832014

adjacent to the academic area and outside of the airfield clear zone. Three substandard facilities will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: SOS leadership development activities will continue to be conducted under inefficient and potentially dangerous conditions.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE SOS LEADERSHIP DEV COMPLEX		5. PROJECT NUMBER PNQS832014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		84 JAN 25
(b) Percent Complete as of January 1986		100
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		85 MAY 22
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		261
(b) All Other Design Costs		0
(c) Total		261
(d) Contract		10
(e) In-house		251
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA	4. PROJECT TITLE ADD TO AND ALTER ACADEMIC FACILITY (ACSC)

5 PROGRAM ELEMENT 8.57.96	6 CATEGORY CODE 171-851	7. PROJECT NUMBER PNQS872063	8. PROJECT COST ($000) 1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER ACADEMIC FACILITY (ACSC)	LS			1,384
ADDITION	SF	17,600	78	(1,372)
ALTERATION	LS			(12)
SUPPORTING FACILITIES				145
COMMUNICATIONS SUPPORT	LS			(55)
UTILITIES	LS			(25)
PAVEMENTS	LS			(5)
SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				1,529
CONTINGENCY (5%)				76
TOTAL CONTRACT COST				1,605
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				88
TOTAL REQUEST				1,693
TOTAL REQUEST (ROUNDED)				1,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural steel, masonry walls, and built-up roof. Includes utilities and necessary support. Air Conditioning - 45 Tons.

11. REQUIREMENT: 99,300 SF ADEQUATE: 81,700 SF SUBSTANDARD: 3,800 SF

PROJECT: Add to and alter an academic facility for the Air Command and Staff College (ACSC).

REQUIREMENT: Facilities of adequate size and configuration are required to accommodate the ACSC mission to provide professional military education for officers in mid-level management positions. This education is required to prepare these selected officers to better fulfill their leadership and management responsibilities. Space is needed for faculty, seminars, classrooms, academic offices and support areas. The expanding educational programs have contributed to the need for a larger facility.

CURRENT SITUATION: These ACSC activities are now conducted in one primary academic building and temporarily borrowed space in two other buildings. This space has been completely saturated in the past few years, due to a 22% increase in resident seminars and nearly 100% increase in administrative support for seminars at 132 worldwide locations. The 26 additional personnel required to support the additional services and administrative workload have had to set up office in converted conference rooms and hallways. Projected future requirements cannot be accommodated and the existing overcrowded conditions will degrade the quality of education. The project will provide the additional space to properly accommodate these activities.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE ADD TO AND ALTER ACADEMIC FACILITY (ACSC)		5. PROJECT NUMBER PNQS872063

IMPACT IF NOT PROVIDED: ACSC will not be able to continue the high quality professional military education programs necessary to support the overall Air Force mission.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE ADD TO AND ALTER ACADEMIC FACILITY (ACSC)		5. PROJECT NUMBER PNQS872063

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 20
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 28
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	183
	(b) All Other Design Costs	17
	(c) Total	200
	(d) Contract	111
	(e) In-house	89
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA	4. PROJECT TITLE VEHICLE MAINTENANCE COMPLEX

5. PROGRAM ELEMENT 8.57.96	6. CATEGORY CODE 214-425	7. PROJECT NUMBER PNQS852036	8. PROJECT COST ($000) 3,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VEHICLE MAINTENANCE COMPLEX	SF	42,750		2,354
VEHICLE MAINTENANCE SHOP	SF	(31,700)	60	(1,902)
VEHICLE OPERATIONS PARKING SHED	SF	(5,800)	20	(116)
VEHICLE OPERATIONS ADMINISTRATION	SF	(5,000)	59	(295)
VEHICLE REFUELING SHOP	SF	(250)	165	(41)
SUPPORTING FACILITIES				445
COMMUNICATIONS SUPPORT	LS			(45)
UTILITIES	LS			(145)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(80)
DEMOLITION/RELOCATION	LS			(75)
SUBTOTAL				2,799
CONTINGENCY (5%)				140
TOTAL CONTRACT COST				2,939
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				162
TOTAL REQUEST				3,101
TOTAL REQUEST (ROUNDED)				3,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slabs, masonry walls, and sloped metal roofs. Includes oil/water separator, parking, drives, utilities, and necessary support.
Air Conditioning - 35 Tons.

11. REQUIREMENT: 42,750 SF ADEQUATE: 0 SUBSTANDARD: 52,530 SF

PROJECT: Construct a vehicle maintenance complex.

REQUIREMENT: Centrally located, adequately sized and functionally configured vehicle maintenance facilities are needed to accommodate management, control and maintenance functions in support of nearly 600 vehicles. These facilities must provide year round maintenance and repair capability which meets all federal and state safety and environmental statutes.

CURRENT SITUATION: Vehicle maintenance is performed in all or part of five WWII buildings which have deteriorated beyond economical repair. Critical problems include inadequate stall sizes, lighting, insulation and mechanical systems, overcrowding, and poorly configured space. In addition, dispersal of functions makes it difficult to provide effective and reponsive vehicle maintenance support. Four substandard facilities will be disposed of as a result of this project.

IMPACT IF NOT PROVIDED: Vehicle maintenance will remain decentralized in substandard facilities with continued ineffective use of manpower, continue disruption of work flow, high facility maintenance costs, and energy losses.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MAXWELL AIR FORCE BASE, ALABAMA

4. PROJECT TITLE VEHICLE MAINTENANCE COMPLEX	5. PROJECT NUMBER PNQS852036

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 SEP 11
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 16
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	210
(b) All Other Design Costs	0
(c) Total	210
(d) Contract	144
(e) In-house	66
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
ALASKAN AIR COMMAND				
EIELSON AFB, AK				168
HAZARDOUS MATERIALS STORAGE	3,450	3,450	60	170
ALTER UNACCACCOMPANIED ENLISTED PERSONNEL HOUSING	2,800	2,800	90	172
DINING HALL	5,700	5,700	35	174
LIBRARY	2,500	2,500	35	176
FIRE PROTECTION - FLIGHTLINE	2,150	2,150	35	178
LOOP ACCESS ROAD	3,200	3,200	35	180
SECURITY FENCE	990	990	95	1075
BASE SUBTOTAL:	20,790	20,790		
ELMENDORF AFB, AK				182
SECURITY POLICE FACILITY	5,000	5,000	35	183
BATTERY SHOP	1,500	1,500	35	185
ALTER ELECTRICAL DISTRIBUTION SYSTEM	1,670	1,670	100	187
BASE SUBTOTAL:	8,170	8,170		
GALENA APT, AK				189
UNACCOMPANIED PERSONNEL HOUSING	7,600	7,600	35	190
ADD TO AND ALTER POWER PLANT	4,000	4,000	85	192
BASE SUBTOTAL:	11,600	11,600		
KING SALMON APT, AK				194
UNACCOMPANIED OFFICER PERSONNEL HOUSING	4,050	4,050	35	195
BASE SUBTOTAL:	4,050	4,050		
SHEMYA AFB, AK				197
SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	2,600	2,600	50	198
DIESEL STORAGE TANKS	15,500	15,500	35	200
ADD TO AND ALTER WATER SYSTEM-PHASE I	4,200	4,200	35	202
BASE SUBTOTAL:	22,300	22,300		
COMMAND TOTAL:	66,910	66,910		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4. COMMAND ALASKAN AIR COMMAND	5. AREA CONSTR COST INDEX 2.13

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	327	3,147	336	0	0	0	28	29	0	3,867
b. END FY 19 91	350	3,148	336	0	0	0	28	29	0	3,891

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (20,428)	
b. INVENTORY TOTAL AS OF 30 Sept 85	334,716
c. AUTHORIZATION NOT YET IN INVENTORY	6,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,790
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	41,070
f. PLANNED IN NEXT THREE PROGRAM YEARS	108,250
g. REMAINING DEFICIENCY	39,010
h. GRAND TOTAL	550,236

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-257	Hazardous Materials Storage	12,500	SF	3,450	Mar 85	Sep 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	114	PN	2,800	Jun 84	Sep 86
722-351	Dining Hall	16,600	SF	5,700	May 85	Sep 86
740-675	Library	10,500	SF	2,500	Jul 85	Sep 86
843-315	Fire Protection, Flightline		LS	2,150	Mar 85	Sep 86
851-147	Loop Access Road		LS	3,200	Oct 83	Sep 86
872-247	Security Fence	40,600	SF	990	Apr 85	Sep 86
	Total			20,790		

9. Future Projects: (a) Included in Following Program (FY 88):

141-753	Squadron Operations Building	21,600	SF	4,950
219-944	Civil Engineering Offices	16,335	SF	3,050
610-129	Aircraft Maintenance Management Office	22,800	SF	4,850
721-312	Unaccompanied Officer and NCO Quarters	303	PN	23,070
800-000	ECIP: Lighting Systems		LS	300
851-147	Upgrade Quarry Hill Road	38,900	LF	4,850
	(b) Typical Planned Next Three Years:			
422-275	Munitions Holding Area	13,000	SF	3,950
610-128	Consolidated Base Personnel Office	18,000	SF	7,400
890-185	Utilidor Expansion	4,400	LF	8,800

10. Mission or Major Functions: Active mission support activities include a tactical air support squadron, responsible for control of operational air-to-ground missions; a Tactical Fighter Squadron with A-10 aircraft; a Strategic Air Command operational RC-135 unit performing strategic reconnaissance activities; and a Strategic Air Command operational KC-135 unit which maintains an air refueling force on a rotational basis.

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PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4. COMMAND ALASKAN AIR COMMAND	5. AREA CONSTR COST INDEX 2.13

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF

c. AUTHORIZATION NOT YET IN INVENTORY

d. AUTHORIZATION REQUESTED IN THIS PROGRAM

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM

f. PLANNED IN NEXT THREE PROGRAM YEARS

g. REMAINING DEFICIENCY

h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	2,000
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4 PROJECT TITLE HAZARDOUS MATERIALS STORAGE

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 442-257	7 PROJECT NUMBER FTQW780089	8 PROJECT COST ($000) 3,450

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS MATERIALS STORAGE	SF	12,500	210	2,625
SUPPORTING FACILITIES				480
SUBTOTAL				3,105
CONTINGENCY (5%)				155
TOTAL CONTRACT COST				3,260
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				179
TOTAL REQUEST				3,439
TOTAL REQUEST (ROUNDED)				3,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a hazardous materials storage facility of cast-in-place concrete with a monolithic floor slab, diked storage areas, special ventilation and hazardous area electrical systems and all necessary support and utilities.

11. REQUIREMENT: 12,500 SF ADEQUATE: 0 SF SUBSTANDARD: 12,800 SF

PROJECT: Construct a hazardous materials storage facility.

REQUIREMENT: A facility of adequate size and configuration is required to store hazardous materials. Space is required to store hazardous paints, thinners, acids, solvents, gas cylinders and various greases and oils with proper environmental controls and necessary fire protection and spill containment systems.

CURRENT SITUATION: Hazardous materials are scattered throughout the base in temporary holding areas. Hazardous materials are unloaded and reloaded on supply trucks or trailers and transported to six dispersed locations for storage. The existing storage locations do not meet life, safety or environmental standards. There are no curbs for containing spilled acids. Electrical fixtures are not explosion proof, the floors are not monolithic or epoxy coated, and the storage areas are not segregated.

IMPACT IF NOT PROVIDED: Hazardous materials will continue to be stored in facilities which do not meet the minimum standards of safety.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE HAZARDOUS MATERIALS STORAGE		5. PROJECT NUMBER FTQW780089

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 MAR 19
(b) Percent Complete as of January 1986		60
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 SEP 30
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		332
(b) All Other Design Costs		0
(c) Total		332
(d) Contract		193
(e) In-house		139
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 721-312	7. PROJECT NUMBER FTQW860036	8. PROJECT COST ($000) 2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (114 PN)	LS			2,016
ALTER QUARTERS	SF	24,400	75	(1,830)
ALTER BASEMENT AREA	SF	8,100	23	(186)
SUPPORTING FACILITIES				375
COMMUNICATIONS SUPPORT	LS			(190)
HEATING SYSTEM	LS			(185)
SUBTOTAL				2,391
CONTINGENCY (10%)				239
TOTAL CONTRACT COST				2,630
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				145
TOTAL REQUEST				2,775
TOTAL REQUEST (ROUNDED)				2,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter building systems and components to provide semi-private bathrooms, reduce inter-room sound attenuation and improve livability. Includes conversion of steam heating system to hot water system, bedrooms, storage, lounges, laundries, support and utilities. GRADE MIX: 114 E1-E4

11. REQUIREMENT: 1,139 PN ADEQUATE: 690 PN SUBSTANDARD: 1,084 PN

PROJECT: Alter unaccompanied enlisted housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: The facility to be upgraded was constructed in 1953. It lacks privacy, has inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems and central latrines.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER FTQW860036

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JUN 11
(b)	Percent Complete as of January 1986	90
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	170
(b)	All Other Design Costs	0
(c)	Total	170
(d)	Contract	0
(e)	In-house	170

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4 PROJECT TITLE DINING HALL

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 722-351	7 PROJECT NUMBER PTQW860006	8 PROJECT COST ($000) 5,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DINING HALL	LS	16,600		4,482
AIRMEN DINING HALL (DETACHED)	SF	15,600	270	(4,212)
IN-FLIGHT KITCHEN	SF	1,000	270	(270)
SUPPORTING FACILITIES				665
UTILITIES	LS			(185)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(110)
COMMUNICATIONS SUPPORT	LS			(120)
SPECIAL FOUNDATIONS	LS			(130)
SUBTOTAL				5,147
CONTINGENCY (5%)				257
TOTAL CONTRACT COST				5,404
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				297
TOTAL REQUEST				5,701
TOTAL REQUEST (ROUNDED)				5,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, steel structural frame, masonry walls and built-up roof. Area includes dining area, kitchen with supporting areas, storage and latrines. All supporting facilities.

11. REQUIREMENT: 16,600 SF ADEQUATE: 0 SF SUBSTANDARD: 24,000 SF

PROJECT: Construct a dining hall with in-flight kitchen.

REQUIREMENT: A dining hall of adequate capacity, in a central location to serve enlisted personnel in a convenient and efficient manner. An adequate in-flight kitchen to provide in-flight and ground meals for personnel whose jobs are mission essential requiring they be present for duty even during meals.

CURRENT SITUATION: The current dining hall is 30 years old and located 3/4 of a mile from the dormitories and hazardously close to flight line activities. The 3/4 mile one-way walk is dangerous during winter months when temperatures are below 0°F for over three months. Temperatures are below -40°F almost two weeks of each year. Many service members do not eat at the dining hall during the winter months due to the long walk in subfreezing temperatures. The in-flight kitchen is in a World War II wood framed facility that is structurally deteriorated and has substandard electrical and mechanical systems. One WW II wooden facility will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Air Force personnel will continue to miss meals at the dining hall rather than be exposed to hazardous weather. Food will continue to be prepared in inadequate facilities that do not meet current health standards. Morale of service members will continue to be adversely affected.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE DINING HALL		5. PROJECT NUMBER FTQW860006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 01
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	425
	(b) All Other Design Costs	0
	(c) Total	425
	(d) Contract	355
	(e) In-house	70
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4. PROJECT TITLE LIBRARY

5. PROGRAM ELEMENT 1.28.96	6. CATEGORY CODE 740-675	7. PROJECT NUMBER FTQW880002	8. PROJECT COST ($000) 2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LIBRARY	SF	10,500	150	1,575
SUPPORTING FACILITIES				700
UTILITIES	LS			(300)
SITE IMPROVEMENTS	LS			(400)
SUBTOTAL				2,275
CONTINGENCY (5%)				114
TOTAL CONTRACT COST				2,389
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				131
TOTAL REQUEST				2,520
TOTAL REQUEST (ROUNDED)				2,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural steel frame, masonry walls and a built-up roof. Project includes reference areas, administrative space, reading rooms, computer room, stacks, periodical rooms and book display rooms. Also including all necessary support and utilities.

11. REQUIREMENT: 10,500 SF ADEQUATE: 0 SF SUBSTANDARD: 6,850 SF

PROJECT: Construct a library.

REQUIREMENT: A facility of adequate size and configuration to provide library services, programs and materials to patrons for educational, cultural and recreational reading.

CURRENT SITUATION: The existing library is crowded into the basement of a building constructed over 30 years ago. Water penetrates the walls causing damage to furnishings and contents of the library. Water damages the electrical systems and causes numerous false alarms in the fire detection system. The facility is not soundproofed or insulated. The facility cannot be used by handicapped persons because there is no access for wheelchairs and the aisles are too narrow to accommodate them.

IMPACT IF NOT PROVIDED: The 3,900 to 4,600 patrons who use the library monthly will continue to use old, noisy, deteriorated facilities. Books, materials, art and supplies will continue to deteriorate at an accelerated rate due to moisture damage. Handicapped or other individuals with special needs will continue to be denied access to the library.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE LIBRARY		5. PROJECT NUMBER FTQW880002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 JUL 11
(b) Percent Complete as of January 1986		35
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 SEP 30
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		292
(b) All Other Design Costs		0
(c) Total		292
(d) Contract		211
(e) In-house		81
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4. PROJECT TITLE FIRE PROTECTION, FLIGHTLINE

5. PROGRAM ELEMENT 1.20.56	6. CATEGORY CODE 843-315	7. PROJECT NUMBER FTQW800046	8. PROJECT COST ($000) 2,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE PROTECTION, FLIGHT LINE	LS			1,011
WATER FIRE PUMPING STATION	EA	7	42,000	(294)
WATER WELL	EA	7	35,000	(245)
DIESEL STORAGE TANKS	EA	7	2,430	(17)
FIRE PUMPS	EA	7	65,000	(455)
SUPPORTING FACILITIES				950
UTILITIES	LS			(360)
PAVEMENTS	LS			(80)
SITE IMPROVEMENTS	LS			(100)
SPECIAL FOUNDATIONS	LS			(60)
CONTROLS	LS			(350)
SUBTOTAL				1,961
CONTINGENCY (5%)				98
TOTAL CONTRACT COST				2,059
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				113
TOTAL REQUEST				2,172
TOTAL REQUEST (ROUNDED)				2,150

10. DESCRIPTION OF PROPOSED CONSTRUCTION Drill seven water wells and build structures to house electric driven (diesel back-up) fire pumps below ground with a delivery capacity of 2,500 GPM each. Structures must be low profile, equipped with electric heating and service lines for the pumps, diesel tanks for back-up and water distribution manifolds.

11. REQUIREMENT: As required.

PROJECT: Provide a fire protection system for mission-essential equipment and aircraft on the flightline.

REQUIREMENT: An adequate water distribution system of sufficient volume and pressure to provide firefighting capability for protection of flightline aircraft maintenance facilities and A-10/KC-135 aircraft.

CURRENT SITUATION: There are no fire protection water mains or fire hydrants on the flightline. Water for firefighting must be hauled to the scene, severely limiting the ability to successfully fight structural or aircraft fires.

IMPACT IF NOT PROVIDED: Valuable equipment, aircraft and personnel will continue to be unprotected from fire hazards.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE FIRE PROTECTION, FLIGHTLINE		5. PROJECT NUMBER FTQW800046

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 20
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	240
	(b) All Other Design Costs	0
	(c) Total	240
	(d) Contract	0
	(e) In-house	240
*(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4 PROJECT TITLE LOOP ACCESS ROAD

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 851-147	7 PROJECT NUMBER FTQW850026	8 PROJECT COST ($000) 3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LOOP ACCESS ROAD	LS			2,400
ASPHALTIC CONCRETE PAVING AND BASE COURSE	SY	20,000	45	(900)
ROADWAY EARTHWORK	LS			(1,000)
ROADWAY DRAINAGE	LS			500)
SUPPORTING FACILITIES				500
SUBTOTAL				2,900
CONTINGENCY (5%)				145
TOTAL CONTRACT COST				3,045
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				167
TOTAL REQUEST				3,212
TOTAL REQUEST (ROUNDED)				3,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a 25 foot wide roadway with bituminous pavement, crushed aggregate base course and gravel subbase course. Street lighting included as necessary for traffic safety, with all necessary support and utilities.

11. REQUIREMENT: As required.

PROJECT: Construct an access road.

REQUIREMENT: An adequate all-weather access road to accommodate traffic to and from aircraft maintenance facilities.

CURRENT SITUATION: Aircraft maintenance facilities which are now under construction do not have access roads to other base facilities except over unpaved secondary roads and active taxiways. Access to these facilities have been curtailed during winter months. The maintenance support provided by the 415 people who work in these buildings is jeopardized when they cannot reach their facilities to work.

IMPACT IF NOT PROVIDED: Personnel will be required to use unimproved roads and taxiways to get to work. Inclement weather could result in people not being able to reach their work area. Mission accomplishment would be affected if the maintenance functions cannot be fully supported.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE LOOP ACCESS ROAD		5. PROJECT NUMBER FTQW850026

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	83 OCT 28
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	200
	(b) All Other Design Costs	0
	(c) Total	200
	(d) Contract	0
	(e) In-house	200
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4. COMMAND ALASKAN AIR COMMAND	5. AREA CONSTR COST INDEX 1.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	799	5,361	1,023	0	0	0	18	75	402	7,678
b. END FY 1991	905	6,289	1,072	0	0	0	18	75	402	8,761

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (13,239)	
b. INVENTORY TOTAL AS OF 30 Sept 85	326,009
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,165
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,810
f. PLANNED IN NEXT THREE PROGRAM YEARS	85,870
g. REMAINING DEFICIENCY	5,110
h. GRAND TOTAL	432,964

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
130-835	Security Police Facility	19,900 SF	5,000	May 84	Sep 86
212-219	Battery Shop	6,400 SF	1,500	Mar 85	Sep 86
812-225	Alter Electrical Distribution System	LS	1,670	Apr 83	Jan 86
	Total		8,170		

9. Future Projects: (a) Included in Following Program (FY 88):

211-154	Add to Aircraft Maintenance Unit	10,000 SF	810
721-312	Alter Unaccompanied Enlisted Personnel Housing	336 PN	7,000
	(b) Typical Planned Next Three Years:		
411-135	JP-4 Bulk Storage Tanks	50,000 BL	8,700
540-243	Add to and Alter Composite Medical Facility	LS	22,500

10. Mission or Major Functions: Active mission support activities include a major command headquarters, a tactical fighter wing, two tactical fighter squadrons with F-15 and T-33 aircraft, a MAC aerospace rescue and recovery squadron, a MAC tactical airlift squadron group, and an AFCC Communications Group.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4. PROJECT TITLE SECURITY POLICE FACILITY

5. PROGRAM ELEMENT 1.28.96	6. CATEGORY CODE 130-835	7. PROJECT NUMBER FXSB860404	8. PROJECT COST ($000) 5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY POLICE FACILITY	SF	19,900	180	3,582
SUPPORTING FACILITIES				925
COMMUNICATIONS SUPPORT	LS			(115)
UTILITIES	LS			(350)
PAVEMENTS	LS			(150)
SITE IMPROVEMENTS	LS			(120)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(190)
SUBTOTAL				4,507
CONTINGENCY (5%)				225
TOTAL CONTRACT COST				4,732
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				260
TOTAL REQUEST				4,992
TOTAL REQUEST (ROUNDED)				5,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and floor slabs, masonry walls and built-up roof. Area includes offices, classrooms, armory, storage areas, law enforcement area and garages. Includes all necessary utilities and support.

11. REQUIREMENT: 19,900 SF ADEQUATE: 0 SF SUBSTANDARD: 18,200 SF

PROJECT: Construct a security police facility.

REQUIREMENT: A security police facility building is required to provide space for control elements, law enforcement, ammunition storage (government and private), a two-stall garage, classrooms and administrative space.

CURRENT SITUATION: The security police currently occupy the basement of an old barracks building. One-sixth of its total space is unusable open hallway. The armory is too small to properly store weapons and ammunition. Weapons are cleared and cleaned in a public hallway. The administrative section handles classified and sensitive information in full view of the public. The evidence room is too small and holding cells are being used to store evidence. Training areas, the guardmount room and storage rooms are too small and overcrowded to accommodate normal operations. The heating, ventilation and acoustical systems in the existing basement are old and deteriorated and cannot provide an environment suitable for work.

IMPACT IF NOT PROVIDED: Security police management will continue to be housed in crowded, deteriorated facilities which restrict operation and limit effectiveness of security forces. Service members will have low morale and retention of the force will be adversely affected.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE SECURITY POLICE FACILITY		5. PROJECT NUMBER FXSB860404

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 MAY 03
(b)	Percent Complete as of January 1986	35%
(c)	Percent Complete as of October 1986	100%
(d)	Date Design Complete	86 SEP 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	279
(b)	All Other Design Costs	0
(c)	Total	279
(d)	Contract	0
(e)	In-house	279

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4 PROJECT TITLE BATTERY SHOP

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 212-219	7 PROJECT NUMBER FXSB870419	8 PROJECT COST ($000) 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BATTERY SHOP	SF	6,400	180	1,152
SUPPORTING FACILITIES				180
UTILITIES	LS			(90)
PAVEMENTS	LS			(60)
SITE IMPROVEMENTS	LS			(30)
SUBTOTAL				1,332
CONTINGENCY (5%)				67
TOTAL CONTRACT COST				1,399
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				77
TOTAL REQUEST				1,476
TOTAL REQUEST (ROUNDED)				1,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION All work necessary to construct a battery shop complete with shop areas, offices, latrines and equipment storage. Project will include environmental controls for energy conservation and all necessary supporting facilities and utilities.

11. REQUIREMENT: 6,400 SF ADEQUATE: 0 SF SUBSTANDARD: 6,400 SF

PROJECT: Construct a battery shop.

REQUIREMENT: Adequate facilities to service and maintain all batteries for emergency power sources, vehicles and satellite communications terminals for a total of approximately 1,600 pieces of equipment.

CURRENT SITUATION: The existing building is a WWII corrugated steel building which has deteriorated beyond economical repair. It has stuctural damage and substandard electrical and mechanical systems. The floor has absorbed acid over the years and will not drain properly. The existing drainage system empties directly into the sanitary system. Heating and ventilation systems cannot maintain required temperatures and remove hazardous vapors. The chemical storage and mixing area does not have safety dikes. This project will allow the disposal of an old, high resource consuming facility.

IMPACT IF NOT PROVIDED: The inability to properly manage and service batteries and maintain war readiness supplies will hamper the accomplishment of the base mission.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE BATTERY SHOP		5. PROJECT NUMBER FXSB870419

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 15
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	177
	(b) All Other Design Costs	0
	(c) Total	177
	(d) Contract	113
	(e) In-house	64
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM

5. PROGRAM ELEMENT 3.10.11 NFIP	6. CATEGORY CODE 812-225	7. PROJECT NUMBER FXSB860419	8. PROJECT COST ($000) 1,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER ELECTRICAL DISTRIBUTION SYSTEM	LS			1,492
PRIMARY UNDERGROUND DISTRIBUTION LINE	LF	32,000	37	(1,184)
CONCRETE CABLE MARKERS	EA	200	340	(68)
MODIFY TRANSFORMER STATIONS	EA	16	15,000	(240)
SUPPORTING FACILITIES				14
SUBTOTAL				1,506
CONTINGENCY (5%)				76
TOTAL CONTRACT COST				1,582
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				88
TOTAL REQUEST				1,670

10. DESCRIPTION OF PROPOSED CONSTRUCTION Trenching, placement of concrete encased duct and three phase shielded cable, backfill and transformer station modification. Also, provision of concrete cable markers.

11. REQUIREMENT: As required.

PROJECT: Alter electrical distribution system.

REQUIREMENT: The existing overhead primary distribution lines within a one-mile radius of an antenna field must be buried to eliminate Electromagnetic Interference (EMI) on the communications systems served by the antenna field. The EMI occurs as a direct result of electrical arcing caused by loose connections, cracked insulation or dust, ice and snow buildup.

CURRENT SITUATION: Both Air Force and Navy organizations have experienced varying levels of EMI from the existing overhead power lines for many years. Repair of the existing line corrects the problem for only a few months before the interference returns. Maintenance procedures are compounded by the weather, the terrain and the quantity of customers served. This project will provide underground cables to replace the overhead lines to correct the the EMI problem and minimize power distribution maintenance problems.

IMPACT IF NOT PROVIDED: Without this project, these units will continue to experience unacceptable mission degradation and loss due to the EMI.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM		5. PROJECT NUMBER FXSB860419

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 APR 19
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JAN 09

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	150
(b) All Other Design Costs	0
(c) Total	150
(d) Contract	0
(e) In-house	150

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION GALENA AIRPORT, ALASKA	4. COMMAND ALASKAN AIR COMMAND	5. AREA CONSTR COST INDEX 3.73

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	10	301	15	0	0	0	0	0	0	326
b. END FY 1991	10	300	15	0	0	0	0	0	0	325

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (166)	
b. INVENTORY TOTAL AS OF 30 Sept 85	47,554
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	37,350
g. REMAINING DEFICIENCY	2,650
h. GRAND TOTAL	107,554

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
720-000	Unaccompanied Personnel Housing	70	PN	7,600	Jun 85	Sep 86
811-145	Add to and Alter Power Plant		LS	4,000	Mar 85	Sep 86
	Total			11,600		

9. Future Projects: (a) Included in Following Program (FY 88):

841-427	Water Distribution System		LS	8,400

(b) Typical Planned Next Three Years:

210-000	Alert Hangar/Aerospace Ground Facility	25,500	SF	10,400

10. Mission or Major Functions: Galena AFS is an air defense alert base and provides forward alert for the 43rd Tactical Fighter Squadron (F-15s) under the Alaskan Air Command.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GALENA AIRPORT, ALASKA	4. PROJECT TITLE UNACCOMPANIED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1.28.96	720-000	HP2W870404	7,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED PERSONNEL HOUSING (70 PN)	LS			5,940
QUARTERS	SF	28,900	200	(5,780)
FALLOUT SHELTER	SF	3,200	50	(160)
SUPPORTING FACILITIES				950
COMMUNICATIONS SUPPORT	LS			(200)
UTILITIES	LS			(430)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(220)
SUBTOTAL				6,890
CONTINGENCY (5%)				345
TOTAL CONTRACT COST				7,235
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				398
TOTAL REQUEST				7,633
TOTAL REQUEST (ROUNDED)				7,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct unaccompanied housing for permanent and transient officers and enlisted personnel. Concrete foundation and a steel structure. Include sleeping rooms lounges, kitchen, storage, laundry and all necessary support and utilities. GRADE MIX: 41 O-3 to O-10; 5 E-7 to E-9; 13 E-5 to E-6 ; 11 E-1 to E-4.

11. REQUIREMENT: 383 PN ADEQUATE: 313 PN SUBSTANDARD: 208 PN

PROJECT: Construct unaccompanied personnel housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated and important functions these people must perform. The lack of such quarters is an irritant to these personnel. The Air Force should remove this irritant to maintain an effective force of airmen.

CURRENT SITUATION: Existing facilities are wood frame, semipermanent buildings which have been in use over 25 years. They are poorly insulated and structurally unsound. The facilities have inadequate lighting, obsolete electrical and mechanical systems and central latrines. They do not meet any current standards for personnel housing and cannot be upgraded. Seven wooden facilities will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied personnel will continue to be unavailable resulting in degradation of morale and productivity.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GALENA AIRPORT, ALASKA		
4. PROJECT TITLE UNACCOMPANIED PERSONNEL HOUSING		5. PROJECT NUMBER HPZW870404

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JUN 14
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 30
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	632
	(b)	All Other Design Costs	0
	(c)	Total	632
	(d)	Contract	567
	(e)	In-house	65
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GALENA AIRPORT, ALASKA	4. PROJECT TITLE ADD TO AND ALTER POWER PLANT

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 811-145	7. PROJECT NUMBER HPZW860402	8. PROJECT COST ($000) 4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER POWER PLANT	LS			3,339
DIESEL ELECTRIC GENERATORS	KW	3,640	380	(1,383)
HEAT RECOVERY SYS W/SILENCERS	LS			(467)
FIRE SUPPRESSION SYSTEM	LS			(280)
SWITCHGEAR AND CONTROLS	LS			(845)
POWER PLANT ADDITION	SF	1,300	280	(364)
SUPPORTING FACILITIES				110
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(50)
DEMOLITION	LS			(10)
SUBTOTAL				3,449
CONTINGENCY (10%)				345
TOTAL CONTRACT COST				3,794
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				209
TOTAL REQUEST				4,003
TOTAL REQUEST (ROUNDED)				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Remove existing diesel generators and install 3,640 KW of new generators with high efficiency heat recovery, switch gear and controls. Construct an addition to house new generators of concrete foundations and steel framing with all support and utilities.

11. REQUIREMENT: As required.

PROJECT: Construct an addition to and alter the existing power plant.

REQUIREMENT: Adequate reliable electrical power to serve Galena tactical alert mission, Minimally Attended Radar (MAR) installation and all support facilities. Commercial power is not available.

CURRENT SITUATION: The current plant has three 600 KW generators and one 300 KW. Replacement and repair parts are no longer available and must be custom manufactured at substantial cost and long lead times. The generators fail frequently. The urgency of the existing unreliable power required relocation of a pre-1961 650 KW generator to serve as temporary back-up. Future requirements will increase peak demand by 48 percent.

IMPACT IF NOT PROVIDED: Galena will continue to have unreliable, unpredictable power which places mission and personnel in jeopardy during subzero weather.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

GALENA AIRPORT, ALASKA

4. PROJECT TITLE ADD TO AND ALTER POWER PLANT	5. PROJECT NUMBER HPZW860402

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 MAR 04
	(b)	Percent Complete as of January 1986	85
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 01
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	409
	(b)	All Other Design Costs	0
	(c)	Total	409
	(d)	Contract	215
	(e)	In-house	194
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION KING SALMON AIRPORT, ALASKA	4 COMMAND ALASKAN AIR COMMAND	5 [illegible] 3.86

6 PERSONNEL STRENGTH	[illegible]			[illegible]			[illegible]			[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
a. AS OF 30 Sept 85	10	268	20	0	0	0	0	0	0	298
b. END FY 19 91	10	266	20	0	0	0	0	0	0	296

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (86)	
b INVENTORY TOTAL AS OF 30 Sept 85	37,230
c AUTHORIZATION NOT YET IN INVENTORY	3,000
d AUTHORIZATION REQUESTED IN THIS PROGRAM	4,050
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,100
f PLANNED IN NEXT THREE PROGRAM YEARS	6,100
g REMAINING DEFICIENCY	1,200
h GRAND TOTAL	56,680

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	[illegible]	[illegible]	COST $000	DESIGN STATUS START	[illegible]
724-415	Unaccompanied Officer Personnel Housing	35 PN	4,050	Apr 85	Sep 86

9. Future Projects: (a) Included in Following Program (FY 88):

131-111	Communications Facility	6,000 SF	5,100

(b) Typical Planned Next Three Years:

219-944	Base Engineer/Vehicle Maintenance Complex	30,150 SF	6,100

10. Mission or Major Functions: King Salmon is an air defense alert base and provides forward alert for the 43rd Tactical Fighter Squadron (F-15's) under the Alaskan Air Command.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KING SALMON AIRPORT, ALASKA	4. PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 724-415	7 PROJECT NUMBER MFJF870401	8 PROJECT COST ($000) 4,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED OFFICER PERSONNEL HOUSING (35 PN)	LS			2,639
OFFICERS QUARTERS	SF	17,100	145	(2,479)
FALLOUT SHELTER	SF	3,200	50	(160)
SUPPORTING FACILITIES				1,000
COMMUNICATIONS	LS			(215)
UTILITIES	LS			(605)
PAVEMENTS	LS			(180)
SUBTOTAL				3,639
CONTINGENCY (5%)				182
TOTAL CONTRACT COST				3,821
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				210
TOTAL REQUEST				4,031
TOTAL REQUEST (ROUNDED)				4,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct unaccompanied personnel housing for permanent and transient officers. Use concrete foundation, steel frame, include support and utilities, storage, lounges, kitchen and public restrooms. Grade Mix: 35 O-3 to O-10

11. REQUIREMENT: 35 PN ADEQUATE: 0 PN SUBSTANDARD: 24 PN

PROJECT: Construct unaccompanied officer personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated and important functions these people must perform. The lack of such quarters is an irritant to these personnel. The Air Force must remove this irritant to maintain an effective force of officers.

CURRENT SITUATION: Existing facilities are wood frame buildings. They are poorly insulated, structurally unsound, have inadequate lighting and obsolete electrical and mechanical systems. Recent structural failure resulted in a separation between the floor and wall. Steam pipes in the buildings are insulated with asbestos. The existing facilities are inadequate in number to fulfill all officer housing requirements, causing officers to "double up" in order to cover the deficit. Three wooden facilities will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied officer personnel will continue to be unavailable resulting in degradation of morale, productivity and career satisfaction.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KING SALMON AIRPORT, ALASKA		
4. PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING		5. PROJECT NUMBER MFJF870401

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 01
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	315
	(b) All Other Design Costs	0
	(c) Total	315
	(d) Contract	260
	(e) In-house	55
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION SHEMYA AIR FORCE BASE, ALASKA	4. COMMAND ALASKAN AIR COMMAND	5. AREA CONSTR COST INDEX 3.86

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	40	547	26	0	0	0	18	4	1	636
b. END FY 19 91	41	561	26	0	0	0	18	4	1	651

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,520)	
b. INVENTORY TOTAL AS OF 30 Sept 85	151,444
c. AUTHORIZATION NOT YET IN INVENTORY	36,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	22,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	39,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	151,680
g. REMAINING DEFICIENCY	42,980
h. GRAND TOTAL	443,904

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-454	Solid State Uninterruptible Power Supply Support	2,200	SF	2,600	Jul 85	Sep 86
411-134	Diesel Storage Tanks	110,000	BL	15,500	Jun 85	Sep 86
840-427	Add to and Alter Water System - Phase I		LS	4,200	May 85	Sep 86
	Total			22,300		

9. Future Projects: (a) Included in Following Program (FY 88):

218-712	Add to and Alter Aircraft Equipment Shop		LS	2,050
219-944	Base Engineer	12,100	SF	7,200
721-312	Unaccompanied Enlisted Personnel Housing	258	PN	24,000
740-615	Add to and Alter Open Mess	15,300	SF	4,700
880-211	Fire Protection Systems	80,300	SF	1,250
	(b) Typical Planned Next Three Years:			
121-111	POL Operations Facility	6,250	SF	5,300
740-316	Recreation Center	19,000	SF	7,200
840-427	Upgrade Water System-Phase II		LS	4,000

10. Mission or Major Functions: Alaskan Air Command base for air defense surveillance. Strategic Air Command (EC-135) rotational unit.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SHEMYA AIR FORCE BASE, ALASKA	4 PROJECT TITLE SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT

5 PROGRAM ELEMENT 1.23.12	6 CATEGORY CODE 141-454	7 PROJECT NUMBER EDQR870002	8 PROJECT COST ($000) 2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	SF	2,200	270	594
SUPPORTING FACILITIES				1,646
ELECTRICAL SWITCHGEAR/BUS	LS			(880)
FIRE PROTECTION	LS			(156)
RESERVE COOLING	LS			(610)
SUBTOTAL				2,240
CONTINGENCY (10%)				224
TOTAL CONTRACT COST				2,464
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				136
TOTAL REQUEST				2,600
TOTAL REQUEST (ROUNDED)				2,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,210)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter the existing facility. Includes electrical, mechanical and plumbing systems and necessary support. Provides electrical bus system and reserve cooling for critical and non-critical loads.

11. REQUIREMENT: As required.

PROJECT: Alter the COBRA DANE technical facility to install solid state uninterruptible power supply (SSUPS).

REQUIREMENT: A SSUPS system is required to provide a reliable, quality source of electrical power to COBRA DANE critical mission equipment and dedicated utility support. COBRA DANE provides surveillance and tracking of space objects launched from the Sino-Soviet land mass. A SSUPS system is required to supply the critical mission equipment with a 15-minute "ride through" capability during a power outage and will condition the power to mitigate effects of power instabilities. Additional cooling reserve is required to provide equipment cooling while the SSUPS maintains power to the equipment.

CURRENT SITUATION: The existing uninterruptible power supply is too small to handle current critical loads and has been disconnected because it cannot carry the required power loads to support COBRA DANE equipment. It cannot be repaired because the manufacturer is no longer in business and spare parts are not available. The systems cooling capacity does not have sufficient reserve to support critical equipment in the event of a cooling system failure or power outage.

IMPACT IF NOT PROVIDED: COBRA DANE will continue to be vulnerable to failure equipment to remove transients, sags, surges and loads during fluctuations in the power supply.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SHEMYA AIR FORCE BASE, ALASKA		
4. PROJECT TITLE SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT		5. PROJECT NUMBER EDQR870002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 JUL 03
(b) Percent Complete as of January 1986		50
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 SEP 30
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used -	N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		311
(b) All Other Design Costs		0
(c) Total		311
(d) Contract		232
(e) In-house		79
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Solid State Uninterruptible Power Supply	3080	87	1,210
Battery Rack	3400	87	300
Switchgear - HVAC	3400	87	700

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SHEMYA AIR FORCE BASE, ALASKA	4 PROJECT TITLE DIESEL STORAGE TANKS

5 PROGRAM ELEMENT 1.28.96	6 CATEGORY CODE 411-134	7 PROJECT NUMBER VNMH860402	8 PROJECT COST ($000) 15,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIESEL STORAGE TANKS	LS			11,677
DIESEL STORAGE	BL	110,000	80	(8,800)
ALTER PUMPHOUSE	LS			(1,690)
LIQUID FUEL PIPELINES	LF	4,750	250	(1,187)
SUPPORTING FACILITIES				2,245
UTILITIES	LS			(450)
PAVEMENTS	LS			(155)
SITE IMPROVEMENTS	LS			(205)
SPECIAL FIRE SYSTEM/PUMPS	LS			(615)
DEMOLITION	LS			(410)
CATHODIC PROTECTION	LS			(410)
SUBTOTAL				13,922
CONTINGENCY (5%)				696
TOTAL CONTRACT COST				14,618
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				804
TOTAL REQUEST				15,422
TOTAL REQUEST (ROUNDED)				15,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct two new diesel fuel cathodically protected storage tanks complete with lined dike enclosures, Aqueous Fire Fighting Foam (AFFF) fire suppression system, piping controls, modify pumphouse/pipelines and all support and utilities.

11. REQUIREMENT: 140,000 BL ADEQUATE: 30,000 BL SUBSTANDARD: 105,000 BL

PROJECT: Construct diesel storage tanks.

REQUIREMENT: Sufficient fuel storage for the strategic reconnaissance missions at this base. The remote island base of Shemya is totally dependent upon diesel fuel for heat and electrical power.

CURRENT SITUATION: Current storage consists of severely corroded tanks which have deteriorated well beyond repair and represent a hazard to the environment and personnel at Shemya. The fuel supply at this remote island is replenished by barge during brief summer months. An adequate supply of diesel fuel is required to be stored on the island to support the operation between yearly deliveries. Ten tanks will be disposed of upon completion of the project.

IMPACT IF NOT PROVIDED: The storage tanks will continue to deteriorate until failure occurs. Failure would result in a large scale fuel spill polluting the base water supply and the local marine environment and causing a shortage of the main fuel source on this remote island.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SHEMYA AIR FORCE BASE, ALASKA		
4. PROJECT TITLE DIESEL STORAGE TANKS		5. PROJECT NUMBER VNMH860402

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 JUN 15
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 30
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	450
(b) All Other Design Costs	0
(c) Total	450
(d) Contract	325
(e) In-house	125
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION SHEMYA AIR FORCE BASE, ALASKA	4. PROJECT TITLE ADD TO AND ALTER WATER SYSTEM, PHASE I

5. PROGRAM ELEMENT 1.28.96	6. CATEGORY CODE 840-427	7. PROJECT NUMBER VNMH860408	8. PROJECT COST ($000) 4,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER WATER SYSTEM, PHASE I	LS			2,650
WATER STORAGE	GL	600,000	3	(1,800)
ALTER WATER DISTRIBUTION SYSTEM	LS			(350)
ALTER WATER TREATMENT SYSTEM	LS			(500)
SUPPORTING FACILITIES				1,160
COMMUNICATIONS SUPPORT	LS			(10)
UTILITIES	LS			(415)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(40)
CONTROLS AND MONITORING SYSTEM	LS			(185)
DEMOLITION	LS			(470)
SUBTOTAL				3,810
CONTINGENCY (5%)				191
TOTAL CONTRACT COST				4,001
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				220
TOTAL REQUEST				4,221
TOTAL REQUEST (ROUNDED)				4,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION Alter/renovate the existing water distribution system, to include new water gallery, new water storage tanks, modifications to the existing distribution system and new water filter and treatment systems.

11. REQUIREMENT: As required.

PROJECT: Add to and alter water collection, storage and distribution system.

REQUIREMENT: An adequate water treatment, storage and distribution system to provide water of sufficient quantity, quality and pressure to meet domestic, industrial and firefighting needs of this remote island base.

CURRENT SITUATION: The current storage and distribution system is deteriorated, corroded and has suffered earthquake damage that buckled tanks and damaged distribution lines. Two 200,000 gallon tanks are beyond repair and must be replaced. The existing system has numerous leaks from corroded lines and tanks and does not have a water level monitoring capability. The leaking has become so severe that water has to be rationed during periods of low rainfall.

IMPACT IF NOT PROVIDED: The distribution and storage system will continue to deteriorate until the mission is adversely affected.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SHEMYA AIR FORCE BASE, ALASKA		
4. PROJECT TITLE ADD TO AND ALTER WATER SYSTEM		5. PROJECT NUMBER VNMH860408

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a) Date Design Started		85 MAY 01
	(b) Percent Complete as of January 1986		35
	(c) Percent Complete as of October 1986		100
	(d) Date Design Complete		86 SEP 30
(2)	Basis		
	(a) Standard or Definitive Design -	Yes	No X
	(b) Where Design Was Most Recently Used - N/A		
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a) Production of Plans and Specifications		386
	(b) All Other Design Costs		0
	(c) Total		386
	(d) Contract		351
	(e) In-house		35
(4)	Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
MILITARY AIRLIFT COMMAND				
ALTUS AFB, OK				205
LAND ACQUISITION	310	310	N/A	1095
BASE SUBTOTAL:	310	310		
ANDREWS AFB, MD				206
AF ONE MAINTENANCE AND SUPPORT COMPLEX	45,000	45,000	2	207
ECIP-ALTER LIGHTING SYSTEMS	430	430	100	1067
BASE SUBTOTAL:	45,430	45,430		
CHARLESTON AFB, SC				210
AERIAL REFUELING PART TASK TRAINING FACILITY	0	1,200	100	211
CORROSION CONTROL FACILITY	5,000	5,000	35	213
MATERIAL HANDLING EQUIPMENT MAINTENANCE SHOP	730	730	100	1095
ADD TO AND ALTER RECREATION CENTER	560	560	100	1096
BASE SUBTOTAL:	6,290	7,490		
KIRTLAND AFB, NM				215
COMMUNICATIONS DUCT SYSTEM	1,800	1,800	35	216
ALTER MAINTENANCE HANGAR	1,300	1,300	35	218
OPTICS AND BEAM CONTROL LABORATORY	8,700	8,700	35	220A
BASE SUBTOTAL:	11,800	11,800		
LITTLE ROCK AFB, AR				222
ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE DOCKS	2,750	2,750	35	223
BASE SUBTOTAL:	2,750	2,750		
MCCHORD AFB, WA				226
SQUADRONS OPERATIONS FACILITY	4,900	4,900	60	227
ADD TO AND ALTER AIR FREIGHT TERMINAL	6,400	6,400	35	229
BASE SUBTOTAL:	11,300	11,300		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
MCGUIRE AFB, NJ				231
SATELLITE COMMUNICATIONS GROUND TERMINAL	895	895	75	1091
ADD TO AND ALTER BASE CIVIL ENGINEERING COMPLEX	5,700	5,700	95	232
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	7,000	7,000	55	234
BASE SUBTOTAL:	13,595	13,595		
NORTON AFB, CA				236
ADD TO AND ALTER APPROACH LIGHTS	1,450	1,450	50	237
BASE SUBTOTAL:	1,450	1,450		
POPE AFB, NC				239
MUNITIONS STORAGE COMPLEX	1,100	1,100	35	240
UPGRADE CENTRAL HEATING PLANTS	2,300	2,300	30	242
BASE SUBTOTAL:	3,400	3,400		
SCOTT AFB, IL				244
ADD TO AND ALTER CONSOLIDATED COMPUTER FACILITY	8,900	8,900	95	245
BASE SUBTOTAL:	8,900	8,900		
TRAVIS AFB, CA				248
SATELLITE COMMUNICATIONS GROUND TERMINAL	1,900	1,900	65	249
ALTER AIRCRAFT MAINTENANCE HANGAR	1,600	1,600	100	252
WEAPONS SYSTEMS MAINTENANCE MANAGEMENT AND SUPPORT FACILITY	0	6,500	100	254
PHYSICAL FITNESS CENTER	4,700	4,700	60	257
BASE SUBTOTAL:	8,200	14,700		
COMMAND TOTAL:	113,425	121,125		

1. COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
ALTUS AIR FORCE BASE, OKLAHOMA

4. COMMAND
MILITARY AIRLIFT COMMAND

5. AREA CONSTR COST INDEX
0.94

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	513	3,284	593	121	209		7	0	2	4,729
b. END FY 19 91	546	3,420	592	121	209		7	0	2	4,897

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,405)	
b. INVENTORY TOTAL AS OF 30 Sept 85	101,401
c. AUTHORIZATION NOT YET IN INVENTORY	45,750
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	310
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,595
f. PLANNED IN NEXT THREE PROGRAM YEARS	11,100
g. REMAINING DEFICIENCY	11,290
h. GRAND TOTAL	178,446

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
911-146	Land Acquisition	320 AC	310	N/A	

9. Future Projects: (a) Included in Following Program (FY 88):

113-321	Apron	21,000 SY	3,500
211-111	Hangar	32,000 SF	3,195
740-316	Recreation Center	19,800 SF	1,900
	Total		8,595

(b) Typical planned Next Three Years:

116-662	Dangerous Cargo Pad	8,900 SY	1,250
219-900	BCE Maintenance Shop	18,600 SF	1,750

10. Mission or Major Functions: MAC consolidated training facility for C-5 and C-141 aircrew training. Beddown location for SAC KC-135 refueling group which supports single integrated operations plan (SIOP) tasking.

11. Outstanding pollution and safety (OSH) deficiencies.

a. Air Pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1537	4,093	2554	0	0	0	473	1,005	52	9,714
b. END FY 19 91	1549	4,185	2643	0	0	0	473	1,005	52	9,907

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (7,499)	
b. INVENTORY TOTAL AS OF 30 Sept 85	253,167
c. AUTHORIZATION NOT YET IN INVENTORY	21,606
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	45,430
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,629
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,000
g. REMAINING DEFICIENCY	243,304
h. GRAND TOTAL	539,136

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-111	AF-1 Maintenance and Support Complex	194,000 SF	45,000	Apr 86	Mar 87
800-000	Energy Conservation Investment Program-Alter Lighting Systems	LS	430	Jun 84	Sep 85
	Total		45,430		

9. Future Projects: (a) Included in Following Program (FY 88):

214-425	Automotive Support Facility	38,200 SF	4,100
610-000	Office of Scientific Research	60,000 SF	4,209
730-772	Religious Education Facility	18,100 SF	2,000
800-000	EMCS	LS	1,320
	Total		11,629

(b) Typical Planned Next Three Years:

141-782	Air Freight Terminal	38,600 SF	2,500

10. Mission or Major Functions: The base mission is support of Headquarters Air Force Systems Command, a Military Airlift Wing which performs special air missions and operational support airlift, a Reserve Tactical Airlift Wing, an Air National Guard Tactical Fighter Wing, District of Columbia Air National Guard Headquarters, and Malcolm Grow Medical Center.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	30
c.	Occupational safety and health:	0

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1. COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND	4. PROJECT TITLE AIR FORCE-1 MAINTENANCE AND SUPPORT COMPLEX

5. PROGRAM ELEMENT 4.11.23	6. CATEGORY CODE 211-111	7. PROJECT NUMBER AJXF870002	8. PROJECT COST ($000) 45,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIR FORCE-1 MAINTENANCE AND SUPPORT COMPLEX	SF	194,000	111	21,534
SUPPORTING FACILITIES				19,025
AFFF, EXTRA NOZZLES AND WATER SUPPLY	LS			(3,850)
RELOCATE EXISTING FACILITIES	LS			(1,615)
UTILITIES AND COMMUNICATION	LS			(1,915)
HYDRANT REFUELING SYSTEM	LS			(1,000)
PAVEMENTS AND SITE IMPROVEMENTS	LS			(5,845)
SERVICE EQUIPMENT	LS			(4,800)
SUBTOTAL				40,559
CONTINGENCY (5%)				2,028
TOTAL CONTRACT COST				42,587
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				2,342
TOTAL REQUEST				44,929
TOTAL REQUEST (ROUNDED)				45,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural steel frame and roof system, and steel siding. Includes hangar space, maintenance shop, security control area, Presidential Pilot Office, security alarm systems, fire protection, communications support, lighting, utilities, backup power, kitchen, supply storage, wash rack, fuel cell repair, maintenance equipment storage, latrines, mechanical room, and training room. Exterior work includes fuel hydrant system, hangar access/parking apron and taxiway, fencing, specialized security requirements, and relocating utilities, calibration hardstand, and hazardous cargo area. Air Conditioning: 80 TN

11. REQUIREMENT: 753,500 SF ADEQUATE: 559,500 SUBSTANDARD: 47,560 SF

PROJECT: Construction of maintenance and support complex for the Presidential airlift mission (AF-1).

REQUIREMENT: An adequate maintenance and support complex is required to provide mission support for two new Presidential wide-bodied aircraft. Maintenance support requires storage, work areas, refueling system, wash rack, and fuel cell repair. Security requires guard houses, fences, and specialized sensors. Other support includes latrines, offices, training room, and kitchen with cold storage.

CURRENT SITUATION: The existing hangar facility and support shops were sized for VC-137 aircraft and they cannot be modified to adequately provide necessary security and support for the new wide-bodied mission aircraft. Extensive modifications extending the length and height of the hangar would be required to accommodate one wide-bodied aircraft, but wing tip clearances would still be unacceptable. In addition, a second like hangar would be required and towing operations would be

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE AIR FORCE-1 MAINTENANCE AND SUPPORT COMPLEX		5. PROJECT NUMBER AJXF870002

difficult due to the large aircraft and decreased ramp area caused by the hangar extension. The limited hangar clearances and the restricted ramp area would limit all aircraft towing to weather conditions with little or no wind to guard against aircraft damage by wind gusts. Furthermore, modification of the existing complex would first require construction of replacement facilities to accommodate present Hangar 7 tenants. Hangar 6 tenants would then be relocated to Hangar 7 to permit modification of Hangar 6 for AF-1. All of these actions in sequential order with extraordinary security measures and contractor personnel constantly in and around AF-1 restricted areas would create delays and could extend the completion date beyond the Nov 88 delivery date and still not provide an acceptable facility.

IMPACT IF NOT PROVIDED: The two AF-1 wide-bodied aircraft will not receive adequate protection since they will not fit into existing hangars at Andrews AFB. In addition, the separation of AF-1 aircraft from other base functions and the consolidation of only AF-1 personnel into the new complex will significantly enhance security protection for the Presidential aircraft.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE AF-1 MAINTENANCE SUPPORT COMPLEX		5. PROJECT NUMBER AJXF870002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	86 APR 01
	(b) Percent Complete as of January 1986	2
	(c) Percent Complete as of October 1986	60
	(d) Date Design Complete	87 MAR 01
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	1610
	(b) All Other Design Costs	0
	(c) Total	1610
	(d) Contract	1400
	(e) In-house	210
(4)	Construction start	87 MAY

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	4 COMMAND MILITARY AIRLIFT COMMAND	5 AREA CONSTR COST INDEX 0.81

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	495	3,522	1,265	0	0	0	64	303	73	5,722
b. END FY 19 91	460	3,334	1,288	0	0	0	64	303	73	5,522

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (6,147)	
b INVENTORY TOTAL AS OF 30 Sept 85	100,937
c AUTHORIZATION NOT YET IN INVENTORY	18,520
d AUTHORIZATION REQUESTED IN THIS PROGRAM	7,490
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,920
f PLANNED IN NEXT THREE PROGRAM YEARS	35,122
g REMAINING DEFICIENCY	24,148
h GRAND TOTAL	188,137

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
171-212	Air Refueling Part Task Training Facility (Appropriations Only)	5,600 SF	1,200*	May 84	Apr 85
211-159	Corrosion Control Facility	35,800 SF	5,000	Jul 85	Apr 86
214-425	Material Handling Equipment Maintenance Shop	6,600 SF	730	Apr 83	Dec 85
740-316	ADAL Recreation Center	9,900 SF	560	May 85	Feb 86
	*Carry-over Authorization in FY 86		7,490		

9. Future Projects: (a) Included in Following Program (FY 88):

141-753	ADAL Squadron Operations Facility	8,400 SF	1,200
740-884	ADAL Child Care Center	LS	420
800-000	ECIP	LS	300
	Total		1,920

(b) Typical Planned Next Three Years:

219-943	Base Civil Engineer Complex	LS	2,980

10. Mission or Major Functions: Support of two Military Airlift Wings with C-141 aircraft, one active and one reserve associate, a Fighter Interceptor Squadron and a joint use runway.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	4 PROJECT TITLE AERIAL REFUELING PART TASK TRAINING FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
4.18.96	171-212	DKFX850003	1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AERIAL REFUELING PART TASK TRAINING FACILITY	SF	5,600	110	616
SUPPORTING FACILITIES				450
UTILITIES	LS			(230)
PAVEMENTS	LS			(110)
SITE IMPROVEMENT	LS			(110)
SUBTOTAL				1,066
CONTINGENCY (5%)				53
TOTAL CONTRACT COST				1,119
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				62
TOTAL REQUEST				1,181
TOTAL REQUEST (ROUNDED)				1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(5,400)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry exterior walls, steel joist framing and built-up roofing system, interior partition walls and all electrical and mechanical support. Areas include simulator room, office space, briefing and training rooms, utility storage and mechanical room. Air Conditioning: 15 Tons.

11. REQUIREMENT: 17,000 SF ADEQUATE: 11,400 SF SUBSTANDARD: 0

PROJECT: Construct an air refueling part task training facility.

REQUIREMENT: A facility of proper size and configuration is required to house a new air refueling part task trainer to support aircrew training and proficiency in operational in-flight refueling. This trainer will permit training of C-141 and C-5 aircrews in air refueling techniques and procedures. This training is essential to meeting global airlift requirements. The projected equipment delivery date is September 1986.

CURRENT SITUATION: There is no air refueling training device available at this base. Initial air refueling training is conducted by contract at Boeing in Seattle, Washington, and all continuation training is accomplished in flight, using Strategic Air Command tankers for air refueling of C-5s and C-141s.

IMPACT IF NOT PROVIDED: Air refueling training will continue to be accomplished by contract with Boeing and in actual flight conditions with operation of tankers and airlift aircraft. This results in a cost much greater than operation of the simulators.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE AERIAL REFUELING PART TASK TRAINING FACILITY		5. PROJECT NUMBER DKFX850003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 MAY 10
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 APR 08

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	65
(b) All Other Design Costs	14
(c) Total	79
(d) Contract	65
(e) In-house	14

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	4 PROJECT TITLE CORROSION CONTROL FACILITY

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 211-159	7 PROJECT NUMBER DKFX850004	8 PROJECT COST ($000) 5,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CORROSION CONTROL FACILITY	SF	35,800	88	3,150
SUPPORTING FACILITIES				1,360
SPECIAL FIRE PROTECTION SYSTEMS	LS			(455)
UTILITIES	LS			(220)
PAVEMENTS	LS			(260)
SITE IMPROVEMENTS	LS			(150)
SPECIAL FOUNDATIONS	LS			(225)
INDUSTRIAL WASTE TREATMENT	LS			(50)
SUBTOTAL				4,510
CONTINGENCY (5%)				226
TOTAL CONTRACT COST				4,736
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				260
TOTAL REQUEST				4,996
TOTAL REQUEST (ROUNDED)				5,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Special reinforced concrete footing, structural steel framing, aluminum roofing system, insulated metal-skin siding with translucent panels for daylighting, aqueous film forming foam (AFFF) fire protection system, and all necessary electrical and mechanical support.

11. REQUIREMENT: 35,800 SF ADEQUATE: 0 SUBSTANDARD: 38,453 SF

PROJECT: Construct corrosion control facility over existing wash rack.

REQUIREMENT: Adequate space, properly sized and configured, is required to completely enclose C-141B aircraft in a controlled temperature work area for cleaning with toxic chemicals and painting. The facility must meet all technical, safety and health standards to provide safe and effective aircraft corrosion control.

CURRENT SITUATION: The only enclosed corrosion control facility on base is a converted C-5 fuel systems nose dock which is not large enough to completely enclose the C-141B and cannot be enlarged because of close proximity of adjacent facilities. It does not have aircraft washing capabilities and cannot be altered to provide this function due to the floor layout. There are no other covered facilities on base capable of accommodating the C-141B's corrosion control. The work is currently being accomplished outside where uncontrolled, premature drying cuts short the cleaning agent actions and makes removal of the cleaning agent very difficult.

IMPACT IF NOT PROVIDED: Failure to provide this project will result in continued ineffective aircraft corrosion control with potential for premature deterioration of improperly cleaned aircraft.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE CORROSION CONTROL FACILITY		5. PROJECT NUMBER DKFX850004

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 JUL 24
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 24
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	250
(b) All Other Design Costs	53
(c) Total	303
(d) Contract	273
(e) In-house	30
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,442	3,092	2,673	98	188	41	259	1,177	1670	10640
b. END FY 1991	1,456	3,048	2,877	99	184	47	259	1,177	1670	10817

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (43,881)	
b. INVENTORY TOTAL AS OF 30 Sept 85	241,030
c. AUTHORIZATION NOT YET IN INVENTORY	70,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,450
f. PLANNED IN NEXT THREE PROGRAM YEARS	46,654
g. REMAINING DEFICIENCY	28,295
h. GRAND TOTAL	413,299

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
135-583	Communications Duct System		LS	1,800	Jul 85	Jul 86
211-152	Alter Maintenance Hangar	38,500	SF	1,300	Jul 85	Jul 86
310-931	Optics and Beam Control Laboratory	26,200	SF	8,700	Sep 85	Dec 86
	Total			11,800		

9. Future Projects: (a) Included in Following Program (FY 88):

317-311	NP Beam/Microwave Laboratory	25,000	SF	7,400
540-243	Replace Dental Clinic	13,990	SF	2,600
721-312	Alter Unaccompanied Enlisted Personnel Housing	380	PN	5,450
	Total			15,450

(b) Typical Planned Next Three Years:

432-283	Base Cold Storage Facility	10,000	SF	1,750
842-245	ADAL Base Water System		LS	6,000

10. Mission or Major Functions: Support of an Air Force Weapons laboratory, the Air Force Contract Management Division, the Air Force Operational Test and Evaluation Center, Office of Chief of Security Police, Rescue Aircrew Training and Test Wing, NCO Academy, Operational Support Airlift Squadron, Defense Nuclear Agency Field Command, Naval Weapons Evaluation facility, Sandia Laboratories, Lovelace Biomedical and Environmental Research Institute, Department of Energy Albuquerque Operations Office, AF Directorate of Nuclear Surety, an Aircrew Training Wing, and an Air National Guard Tactical Fighter Group.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	400
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4 PROJECT TITLE COMMUNICATIONS DUCT SYSTEM

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 135-583	7 PROJECT NUMBER MHMV870901	8 PROJECT COST ($000) 1,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATIONS DUCT SYSTEM	LS			1,380
SUPPORTING FACILITIES				240
PAVEMENTS	LS			(65)
SITE IMPROVEMENTS	LS			(55)
DEMOLITION	LS			(120)
SUBTOTAL				1,620
CONTINGENCY (5%)				81
TOTAL CONTRACT COST				1,701
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				94
TOTAL REQUEST				1,795
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Installation of polyvinyl chloride (PVC) communications duct encased in concrete with 25 manholes. An extensive underground cable vault will be constructed to support the cable duct.

11. REQUIREMENT: As required.

PROJECT: Install a communications duct system.

REQUIREMENT: High quality reliable communication lines with minimal loss and noise interference are required to provide data transmission service to the Air Force Weapons Lab (AFWL) R&D computer facility and other data transmission users at Kirtland. Routine and classified information will be transmitted through the systems. All classified information is encrypted before it leaves the communication terminal.

CURRENT SITUATION: The existing underground communications system has become overloaded by addition of priority communications requirements in recent years, forcing missions with lesser priority to give up lines. Several of the underground cables are unprotected and subject to accidental cutting during routine excavation operations. This project will satisfy the need for adequate lines from the dial central office to Kirtland West and off-base commercial connections. This project will install a concrete encased duct system to provide for additional communications lines and to protect against interruption by cutting. The new lines as proposed will use both standard wire lines and fiber optics.

IMPACT IF NOT PROVIDED: Mission essential communications support requirements will not be provided and data and voice transmission will continue to be marginal.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		
4 PROJECT TITLE COMMUNICATIONS DUCT SYSTEM		5 PROJECT NUMBER MHMV870901

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 10
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 01
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	56
	(b) All Other Design Costs	22
	(c) Total	78
	(d) Contract	78
	(e) In-house	0
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4 PROJECT TITLE ALTER MAINTENANCE HANGAR

5 PROGRAM ELEMENT 4.41.02	6 CATEGORY CODE 211-152	7 PROJECT NUMBER MHMV900901	8 PROJECT COST ($000) 1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER MAINTENANCE HANGAR	LS			1,121
ALTER METAL WORKING SHOP	SF	15,700	9	(141)
RELOC/ALTER WEAPONS LAB	SF	22,800	43	(980)
SUBTOTAL				1,121
CONTINGENCY (10%)				112
TOTAL CONTRACT COST				1,233
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				68
TOTAL REQUEST				1,291
TOTAL REQUEST (ROUNDED)				1,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter a portion of an existing hangar to accommodate a metal working shop and associated equipment, functional areas, and all supporting facilities. Relocate function occupying this portion of the hangar and upgrade a portion of another existing building to satisfactorily accommodate the function being moved.

11. REQUIREMENT: 68,000 SF ADEQUATE: 52,300 SF SUBSTANDARD: 0

PROJECT: Alter a maintenance hangar to house a metal working shop.

REQUIREMENT: Adequately sized facilities are required to insure prompt manufacture, repair and availability of frequently required critical components not available from the aircraft manufacturer because of the advanced age of the aircraft. Kirtland is the designated CONUS site to support all Air Force helicopter requirements for components/parts for which the manufacturer ceased production. This facility is required to maintain the readiness of our aging helicopters by reducing downtime waiting for parts not available from the manufacturers.

CURRENT SITUATION: Military Airlift Command does not now have any parts/components fabrication capability at this base. When replacement parts/components are needed to repair the aircraft, arrangements must be made with commercial firms for their production. This involves significant lead time, unrealistically expensive parts and a delay in returning helicopters to operational capability. This project will alter the interior of a maintenance hangar to provide space for the manufacture of parts. This project will also alter a facility for the relocation of a portion of the Air Force Weapon Laboratory which

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

KIRTLAND AIR FORCE BASE, NEW MEXICO

4 PROJECT TITLE ALTER MAINTENANCE HANGAR	5 PROJECT NUMBER MHMV900901

currently occupies the building. No other facility is available for conversion to this metal working shop.

IMPACT IF NOT PROVIDED: Operations will continue without capability to fabricate repair parts for helicopters. This will continue to result in unnecessarily long downtime for helicopters waiting for parts.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE ALTER MAINTENANCE HANGAR		5. PROJECT NUMBER MHMV900901

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUL 22
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUL 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	95
(b) All Other Design Costs	9
(c) Total	104
(d) Contract	104
(e) In-house	0

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4 PROJECT TITLE OPTICS AND BEAM CONTROL LABORATORY

5 PROGRAM ELEMENT 6.26.01	6 CATEGORY CODE 310-931	7 PROJECT NUMBER MHHV870102	8 PROJECT COST ($000) 8,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPTICS AND BEAM CONTROL LABORATORY	SF	26,200	190	4,978
SUPPORTING FACILITIES				2,845
COMMUNICATIONS SUPPORT	LS			(150)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(200)
UTILITIES	LS			(695)
PAVEMENTS	LS			(150)
SITE IMPROVEMENTS	LS			(220)
SPECIAL FOUNDATIONS	LS			(865)
HIGH EFFICIENCY PARTICULATE FILTERS	LS			(565)
SUBTOTAL				7,823
CONTINGENCY (5%)				391
TOTAL CONTRACT COST				8,214
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				452
TOTAL REQUEST				8,666
TOTAL REQUEST (ROUNDED)				8,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(12,700)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation with special isolated floor slabs in laboratories, concrete block structural walls, concrete structural roof system, zone halon systems, special air filter systems, crane with rails, utilities and necessary support. Air Conditioning - 150 tons.

11. REQUIREMENT: 146,700 SF ADEQUATE: 83,250 SF SUBSTANDARD: 37,250 SF

PROJECT: Construct an Optics and Beam Control Laboratory.

REQUIREMENT: An adequate facility, properly sized and configured, is required to support optics basic research and exploratory component development at the Air Force Weapons Laboratory. The laboratory conducts a broad range of experiments, tests and component/subsystem validation work required for the next generation of short wave length high energy laser systems. Satisfactory completion of these experiments offers advantages and flexibilities for weapon systems and subsystems of the future.

CURRENT SITUATION: Experiments are currently being conducted in overcrowded areas that were built in the 1960's to support experimentation in the long wave length spectral region. The experimental programs are compromised by the overcrowding which results in interference between experiments and the operating scientists and technicians. Some experiments cannot be successfully completed because of the constant disruption caused by inadequate vibration isolation of the sensitive equipment and poorly controlled temperature, humidity and cleanliness conditions.

IMPACT IF NOT PROVIDED: Failure to provide this needed facility will degrade the capability of developing current and emerging weapon systems critical to this nation's defense.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE OPTICS AND BEAM CONTROL LABORATORY		5. PROJECT NUMBER MHMV870102

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 SEP 05
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	90
(d) Date Design Complete	86 DEC 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	460
(b) All Other Design Costs	50
(c) Total	510
(d) Contract	510
(e) In-house	0

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Test Bed	3600	85-86	4,000
Telescopes and Diagnostics	3600	83-86	4,000
Laboratory Equipment	3600	84-87	3,000
Optics Modules	3600	84-86	1,000
Resonator Test Systems	3600	84-86	700

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 0.83

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1186	5,164	634	194	163	0	22	70	85	7,518
b. END FY 1991	917	4,282	626	194	163	0	22	70	85	6,359

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (7,214)	
b. INVENTORY TOTAL AS OF 30 Sept 85	129,025
c. AUTHORIZATION NOT YET IN INVENTORY	2,210
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	770
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,105
g. REMAINING DEFICIENCY	4,680
h. GRAND TOTAL	148,540

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-111	Add to and Alter Fuel Systems Maintenance Docks	2 EA	2,750	Jul 85	May 86

9. Future Projects: (a) Included in Following Program (FY88):

141-165	ADAL Explosive Ordnance Facility	LS	470
800-000	ECIP	LS	300
	Total		770

(b) Typical Planned Next Three Years:

141-232	ADAL Aerial Delivery Facility	13,975 SF	1,650
442-758	Base Supply Warehouse	LS	655
740-674	Gymnasium	22,580 SF	2,700

10. Mission or Major Functions: Supports DoD consolidated C-130 training. Tactical airlift wing with operational and training missions. Supports Titan II Missile Wing and Air National Guard KC-135 air refueling unit.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS	4 PROJECT TITLE ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE DOCKS

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 211-111	7 PROJECT NUMBER NKAK870001L	8 PROJECT COST ($000) 2,750

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE DOCKS	LS			1,755
FUEL SYSTEMS MAINTENANCE DOCK	EA	1	1.416M	(1,416)
ALTER FUEL SYSTEM MAINTENANCE DOCK	EA	1	.339M	(339)
SUPPORTING FACILITIES				730
FIRE PROTECTION SYSTEM	LS			(270)
UTILITIES	LS			(460)
SUBTOTAL				2,485
CONTINGENCY (5%)				124
TOTAL CONTRACT COST				2,609
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				143
TOTAL REQUEST				2,752
TOTAL REQUEST (ROUNDED)				2,750

10 DESCRIPTION OF PROPOSED CONSTRUCTION

A fuel systems maintenance dock will be constructed with reinforced concrete foundation and floor slab, steel frame, metal exterior, and masonry interior partitions. Alteration of existing fuel cell dock to include installation of environmental control units with all utilities and necessary support. Air Conditioning: 5 Tons

11. REQUIREMENT: 4 EA ADEQUATE: 2 EA SUBSTANDARD: 1 EA

PROJECT: Construct a fuel system maintenance dock and alter an existing dock.

REQUIREMENT: Adequate facilities are required to perform maintenance on aircraft fuel systems. Special safety features are required including a static ground system, combustible and toxic alarm systems and environmental controls. Special electrical power is required to support aircraft electrical systems.

CURRENT SITUATION: The base has two adequate fuel cell repair docks and one maintenance hangar operating with a waiver. These three docks cannot accommodate current fuel system work load. There is an average backlog of nine aircraft waiting for fuel system service. One third of the backlog is serious enough to ground aircraft with the remaining aircraft available for limited service only. Increasing use of blue foam fire suppressant in the aircraft fuel cells will increase the time required for fuel cell repair operations and further growth of the backlog can be expected. There is no other covered maintenance space on base which could be converted to fuel systems maintenance without compromising other aircraft maintenance operations. This project will upgrade

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

LITTLE ROCK AIR FORCE BASE, ARKANSAS

4 PROJECT TITLE ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE DOCKS	5. PROJECT NUMBER NKAK870001L

the existing substandard space and will provide a new nose dock to satisfy the total requirements.

IMPACT IF NOT PROVIDED: Operations will continue in the present manner with an unsatisfactory backlog of aircraft waiting service.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4 PROJECT TITLE ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE DOCKS		5 PROJECT NUMBER NKAK870001L

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 22
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 14
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	159
	(b) All Other Design Costs	0
	(c) Total	159
	(d) Contract	117
	(e) In-house	42
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON	4. MILITARY AIRLIFT COMMAND	5. AREA CONSTRUCTION COST INDEX 1.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	632	4,414	1,366	0	0	50	141	226	60	6,889
b. END FY 19 9a	632	4,462	1,353	0	0	50	141	226	60	6,924

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,736)	
b. INVENTORY TOTAL AS OF 30 Sept 85	105,072
c. AUTHORIZATION NOT YET IN INVENTORY	12,203
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	43,926
g. REMAINING DEFICIENCY	36,388
h. GRAND TOTAL	221,789

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	Squadron Operations Facility	39,000 SF	4,900	Dec 84	Dec 86
141-782	ADAL Air Freight Terminal	66,000 SF	6,400	Feb 85	Oct 86
	Total		11,300		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Unaccompanied Enlisted Personnel Housing	560 PN	9,300
722-351	Dining Hall	16,750 SF	3,600
	Total		12,900

(b) Typical Planned Next Three Years:

111-111	Extend Primary Runway	2,000 LF	13,200
131-111	Alter Multipurpose Facility	LS	4,550
149-962	Control Tower	1 EA	2,200

10. Mission or Major Functions: Support of two Military Airlift Wings, (one active and one reserve associate), a TAC Fighter Interceptor Squadron, and the 25th Air Division Headquarters.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	994
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON	4 PROJECT TITLE SQUADRON OPERATIONS FACILITY

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 141-753	7 PROJECT NUMBER PQWY860002L	8 PROJECT COST ($000) 4,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SQUADRON OPERATIONS FACILITY	SF	39,000	83	3,237
SUPPORTING FACILITIES				1,200
UTILITIES	LS			(470)
PAVEMENTS	LS			(210)
SITE IMPROVEMENTS	LS			(280)
SPECIAL FOUNDATIONS	LS			(240)
SUBTOTAL				4,437
CONTINGENCY (5%)				222
TOTAL CONTRACT COST				4,659
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				256
TOTAL REQUEST				4,915
TOTAL REQUEST (ROUNDED)				4,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slabs, masonry walls, structural steel framing and built-up roof. Facility supports one Military Airlift Squadron and two Tactical Airlift Squadrons. Air Conditioning: 50 Tons

11. REQUIREMENT: 39,000 SF ADEQUATE: 0 SUBSTANDARD: 34,800 SF

PROJECT: Construct a squadron operations facility.

REQUIREMENT: A facility of proper size and configuration is required to accommodate the mission unique planning, briefing, critique and administrative functions for two tactical airlift squadrons and one military airlift squadron. Space must also be provided for the care, issue and storage of crew flying equipment and for classroom training. This facility will serve as a main control point for all unit flight and flying training activities.

CURRENT SITUATION: Squadron operations are currently conducted in three scattered facilities which are deteriorating and poorly configured for operations facilities. There are no aircrew briefing rooms or crew alert areas. Outbound crews must brief in the flight planning room of base operations located three miles away. Aircrew mission kits must be transported between facilities daily. Classroom training is conducted 3/4 mile away from existing squadron operations. The location of the proposed facility would reduce response time to a flight line emergency from 10 minutes to 2 minutes. Three facilities will be disposed of as a result of this project.

IMPACT IF NOT PROVIDED: Mission operations will continue to function from scattered substandard high resource consuming facilities.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4 PROJECT TITLE SQUADRON OPERATIONS FACILITY		5 PROJECT NUMBER PQWY860002L

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		84 DEC 03
(b) Percent Complete as of January 1986		60
(c) Percent Complete as of October 1986		95
(d) Date Design Complete		86 DEC 01
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		300
(b) All Other Design Costs		100
(c) Total		400
(d) Contract		0
(e) In-house		400
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON	4 PROJECT TITLE ADD TO AND ALTER AIR FREIGHT TERMINAL

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 141-782	7 PROJECT NUMBER PQWY860008L	8 PROJECT COST ($000) 6,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER AIR FREIGHT TERMINAL	LS			4,484
AIR FREIGHT TERMINAL	SF	64,000	66	(4,224)
COLD STORAGE	SF	2,000	130	(260)
SUPPORTING FACILITIES				1,275
UTILITIES	LS			(400)
SITE IMPROVEMENTS	LS			(375)
EXCAVATE/BACKFILL	LS			(500)
SUBTOTAL				5,759
CONTINGENCY (5%)				288
TOTAL CONTRACT COST				6,047
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				333
TOTAL REQUEST				6,380
TOTAL REQUEST (ROUNDED)				6,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Space will include freight storage and staging areas and administration area. Insulation, heat, lights and other utilities are included. Air conditioning: 15 Tons

11. REQUIREMENT: 140,500 SF ADEQUATE: 74,500 SF SUBSTANDARD: 1,195 SF

PROJECT: Construct an addition to the Air Freight Terminal.

REQUIREMENT: An adequately sized and configured air freight processing facility with modern materials handling equipment is required to provide rapid and efficient loading and off-loading of large aircraft and trucks with a minimum turnaround time. This terminal is required to support Department of Defense operations in the northwestern portion of the United States, Alaska, the Aleutian Islands and Pacific installations.

CURRENT SITUATION: Currently, cargo is processed through a building that provides about 50 percent of the required area. Modern materials handling equipment cannot be installed due to the inadequate size and configuration of the existing facility. Some material is stored outside because sufficient inside storage does not exist. Deficiences in storage cause multiple handling, exposure to the elements, and continuous shifting of materials. Current tonnage handled monthly exceeds 6,000 tons and is projected to double to support TRIDENT submarine operations, aircraft carrier base material and Naval shipyard equipment. Two World War II wooden facilities will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: The air freight terminal will continue to operate in inadequate space, without modern material handling equipment and with increasing amounts of material stored outside.

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PAGE NO

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4 PROJECT TITLE ADD TO AND ALTER AIR FREIGHT TERMINAL		5. PROJECT NUMBER PQWY860008L

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 FEB 20
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 OCT 01
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	150
(b) All Other Design Costs	75
(c) Total	225
(d) Contract	200
(e) In-house	25
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
MCGUIRE AIR FORCE BASE, NEW JERSEY	MILITARY AIRLIFT COMMAND	1.08

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	639	4,040	1,490	0	95	0	103	263	157	6,787
b. END FY 19 91	634	4,070	1,476	0	95	0	103	263	157	6,798

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,600)	
b. INVENTORY TOTAL AS OF 30 Sept 85	177,665
c. AUTHORIZATION NOT YET IN INVENTORY	23,670
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,595
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	14,140
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,674
g. REMAINING DEFICIENCY	71,720
h. GRAND TOTAL	317,464

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-132	SATCOM Cround Terminal	3,800 SF	895	May 85	Mar 86
219-000	ADAL Base Civil Engineer Complex	71,500 SF	5,700	May 84	Mar 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	448 PN	7,000	May 85	Oct 86
	Total		13,595		

9. Future Projects: (a) Included in Following Program (FY 88):

130-835	Security Police Complex	15,700 SF	2,700
141-461	Alter Command Post/HQ	5,500 SF	500
721-312	Alter Unaccompanied Enlisted Personnel Housing	540 PN	8,000
740-674	ADAL Gymnasium	LS	1,700
740-884	ADAL Child Care Center	15,750 SF	940
800-000	Energy Conservation Investment Program	LS	300
	Total		14,140
	(b)Typical Planned Next Three Years		
141-753	Squadron Operations Facility	24,628 SF	2,626

10. Mission or Major Functions: A numbered Air Force headquarters, support of two Military Airlift Wings, (one active and one reserve associate), an Air National Guard Tactical Fighter Wing and an Air National Guard Heavy Refueling Squadron.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	6,000
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY	4 PROJECT TITLE ADD TO AND ALTER BASE CIVIL ENGINEERING COMPLEX

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
4.18.96	219-000	PTFL860004	5,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER BASE CIVIL ENGINEERING COMPLEX	SF	71,500	64	4,576
SUPPORTING FACILITIES				585
UTILITIES	LS			(205)
PAVEMENTS	LS			(205)
SITE IMPROVEMENTS	LS			(115)
DEMOLITION	LS			(60)
SUBTOTAL				5,161
CONTINGENCY (5%)				258
TOTAL CONTRACT COST				5,419
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				298
TOTAL REQUEST				5,717
TOTAL REQUEST (ROUNDED)				5,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, steel frame, masonry walls and insulated roofs and pre-engineered storage buildings. Includes administrative areas, computer rooms, shops, bench stock, tools and equipment areas, utilities and all necessary support and communication and services systems wiring. Air conditioning - 50 tons

11. REQUIREMENT: 74,000 SF ADEQUATE: 2,500 SF SUBSTANDARD: 71,550 SF

PROJECT: Add to and alter base civil engineering complex.

REQUIREMENT: Adequate base engineer facilities are required to develop, program and execute requirements to maintain, repair, operate and construct facilities, pavements and utility systems in support of the base mission. The facilities need to be located in an area to facilitate access by individual and organizational customers.

CURRENT SITUATION: The base engineer maintenance shops, storage facilities, engineering and administrative facilities occupy eighteen buildings located over much of the base. Several of the buildings are wooden structures that have deteriorated beyond economical repair. Critical problems include inadequate lighting, insulation and mechanical systems. Structural systems have been weakened by termite infestation. Much of the space is inefficiently and poorly configured. This project will provide the necessary space to accommodate these essential functions in an energy efficient, consolidated complex. Five facilities will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: The civil engineering maintenance and administrative functions will continue to operate from and maintain high resource consuming facilities.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE ADD TO AND ALTER BASE CIVIL ENGINEERING COMPLEX		5. PROJECT NUMBER PTFL860004

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 MAY 31
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 16

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	432
(b) All Other Design Costs	151
(c) Total	583
(d) Contract	489
(e) In-house	94
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT		2 DATE
AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
MCGUIRE AIR FORCE BASE, NEW JERSEY	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
4.18.96	721-312	PTFL870001B	7,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (448 PN)	SF	114,000	45	5,130
SUPPORTING FACILITIES				940
COMMUNICATIONS SUPPORT	LS			(170)
UTILITIES	LS			(420)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(230)
SUBTOTAL				6,070
CONTINGENCY (10%)				607
TOTAL CONTRACT COST				6,677
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				367
TOTAL REQUEST				7,044
TOTAL REQUEST (ROUNDED)				7,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION All work necessary to upgrade existing dormitories to acceptable standards of living. Includes baths, noise attentuation, improved safety and energy conservation features and communication and services systems wiring. Grade Mix: 448 E1-E4.

11. REQUIREMENT: 2,036 PN ADEQUATE: 0 SUBSTANDARD: 3,134 PN

PROJECT: Alteration of four existing unaccompanied housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates. The Air Force should remove this irritant to maintain an effective force of experienced airmen.

CURRENT SITUATION: All of the existing bachelor enlisted spaces are inadequate by current living standards. The quarters were constructed about thirty years ago and are essentially the same as when constructed. Inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems and lack of privacy are the main inadequacies of these facilities. This project will upgrade four permanent masonry buildings.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3. INSTALLATION AND LOCATION

MCGUIRE AIR FORCE BASE, NEW JERSEY

4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER PTFL870001B

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 MAY 01
(b) Percent Complete as of January 1986		55
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 OCT 01
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		527
(b) All Other Design Costs		206
(c) Total		733
(d) Contract		614
(e) In-house		119
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION NORTON AIR FORCE BASE, CALIFORNIA	4 COMMAND MILITARY AIRLIFT COMMAND	5 AREA CONSTR COST INDEX 1.16

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1307	4,155	2,680	61	193	0	130	300	241	9,067
b. END FY 19 91	1371	4,225	2,867	61	193	0	130	300	241	9,388

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,428)	
b. INVENTORY TOTAL AS OF 30 Sept 85	130,618
c. AUTHORIZATION NOT YET IN INVENTORY	24,417
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,100
f. PLANNED IN NEXT THREE PROGRAM YEARS	37,643
g. REMAINING DEFICIENCY	107,240
h. GRAND TOTAL	320,468

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
136-661	ADAL Approach Lights	3,000 LF	1,450	Mar 85	May 86

9. Future Projects: (a) Included in Following Program (FY 88):

610-127	Base Civil Engineer Complex	62,600 SF	6,900
721-315	VAQ/Billeting Office	55,160 SF	5,100
880-232	Foam Fire System	1 EA	7,100
	Total		19,100
	(b) Typical Planned Next Three Years		
442-758	Replace Supply Warehouse	220,000 SF	13,111
812-225	Replace Underground Electric Distribution	16,000 SF	5,300

10. Mission or Major Functions: Support of two Military Airlift Wings, (one active and one reserve), the Aerospace Audio-Visual Service, the Air Force Audit Agency Headquarters, AF Ballistic Missile Office and the Air Force Inspection and Safety Center.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION NORTON AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE ADD TO AND ALTER APPROACH LIGHTS

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 136-661	7 PROJECT NUMBER SCEY860001L	8 PROJECT COST ($000) 1,450

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER APPROACH LIGHTS	LS			650
SUPPORTING FACILITIES				580
SITE IMPROVEMENTS	LS			(75)
ELECTRICAL	LS			(430)
DEMOLITION	LS			(75)
SUBTOTAL				1,230
CONTINGENCY (10%)				123
TOTAL CONTRACT COST				1,353
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				74
TOTAL REQUEST				1,427
TOTAL REQUEST (ROUNDED)				1,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct 1,200 linear feet of new and upgrade 1,800 feet of existing approach lighting to meet current requirements for all weather centerline light bars and strobe lights.

11. REQUIREMENT: 3,000 LF ADEQUATE: 0 LF SUBSTANDARD: 1,800 LF

PROJECT: Construct high intensity approach light system and upgrade existing approach light system at the west end of the primary instrument runway.

REQUIREMENT: A runway approach lighting system to support the instrument landing systems installed on the primary runway of Norton Air Force Base. Approach lighting is necessary to assist pilots by providing visual reference to the runway during periods of darkness and reduced flight visibility.

CURRENT SITUATION: The present lighting system is only 1,800 feet in length while 3,000 feet is required to utilize fully the weather capabilities of the C-141, the principle aircraft assigned to this base. This 1,200 foot deficiency in the lighting system requires an annual review and waiver approval to continue using the runway. The present system is old and antiquated and has deteriorated to the point where light failures have been caused by short circuits. After repairs, the system must be recertified prior to being put back in service. Approximately 80 percent of all landings at Norton require instrument flight rules (IFR).

IMPACT IF NOT PROVIDED: Without the full approach lighting system, pilots cannot land under the least acceptable weather conditions on this runway. Safety and continuity of operations under night and instrument weather conditions will continue to be adversely impacted.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION NORTON AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE ADD TO AND ALTER APPROACH LIGHTS		5. PROJECT NUMBER SCEY860001L

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAR 01
(b)	Percent Complete as of January 1986	50
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	85
(b)	All Other Design Costs	131
(c)	Total	216
(d)	Contract	161
(e)	In-house	55

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 0.82

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	588	3,296	354	0	0	0	143	378	44	4,803
b. END FY 19 91	591	3,356	358	0	0	0	143	378	44	4,870

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,791)	
b. INVENTORY TOTAL AS OF 30 Sept 85	75,602
c. AUTHORIZATION NOT YET IN INVENTORY	6,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	17,010
g. REMAINING DEFICIENCY	26,770
h. GRAND TOTAL	143,632

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-257	Munitions Storage Complex	7,900 SF	1,100	Oct 85	Jul 86
821-116	Upgrade Central Heating Plants	LS	2,300	Jan 85	Sep 86
	Total		3,400		

9. Future Projects: (a) Included in Following Program (FY 88):

442-758	Resource Management Complex	LS	11,400
740-674	ADAL Gymnasium	LS	2,500
	Total		13,900

(b) Typical Planned Next Three Years:

171-618	Field Training Facility	20,650 SF	3,100
116-668	Dangerous Cargo Pad	54,133 SF	6,000

10. Mission or Major Functions: Supports a Tactical Airlift Wing, a Mobile Aerial Port Squadron, and a Medical Evacuation Squadron. The base primary mission is support of an Army Airborne Division at adjacent Fort Bragg. USAF airlift center for test and evaluation.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA	4 PROJECT TITLE MUNITIONS STORAGE COMPLEX

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 422-257	7 PROJECT NUMBER TMKH850454	8 PROJECT COST ($000) 1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MUNITIONS STORAGE COMPLEX	LS			700
STORAGE IGLOO	SF	2,000	90	(180)
AMMO STORAGE MULTI-CUBICLE	SF	1,800	110	(198)
FLAMMABLE STORAGE	SF	200	55	(11)
SMALL ARMS STORAGE	SF	2,000	70	(140)
DUNNAGE STORAGE	SF	200	50	(10)
SURVEILLANCE & INSPECTION SHOP	SF	1,700	95	(161)
SUPPORTING FACILITIES	LS			285
UTILITIES	LS			(175)
SITE IMPROVEMENT	LS			(55)
PAVEMENTS	LS			(55)
SUBTOTAL				985
CONTINGENCY (5%)				49
TOTAL CONTRACT COST				1,034
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				57
TOTAL REQUEST				1,091
TOTAL REQUEST (ROUNDED)				1,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Six aboveground storage facilities; two steel arched earth covered igloos, two flammable and dunnage storage buildings, one surveillance and inspection facility, one small arms storage building, security fencing and lighting, roads, parking and walks.

11. REQUIREMENT: 7,900 SF ADEQUATE: 0 SF SUBSTANDARD: 574 SF

PROJECT: Construct a munitions storage complex.

REQUIREMENT: Facilities of adequate size and configuration with proper safety and security provisions are required to store explosives and munitions. These munitions supply two 44-man base ground defense teams and a detachment which includes forward air controllers and a combat control team, both in support of worldwide tactical deployments. Support of the forward air controllers has recently been transferred from the Army to the Air Force.

CURRENT SITUATION: Two small facilities totalling 574 SF comprise the only munitions storage buildings on base. The munitions storage space at Fort Bragg is insufficient for Army requirements and cannot be used for Air Force munitions. The total munitions storage at this base for small arms is less than a 20-day supply, vice a requirement for a 100-day supply. No other appropriate space is available on base for this function. The two small facilities will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Munitions storage operations will continue to operate in the undersized, high resource-consuming facilities. The 20-day supply capacity is only 20 percent of the requirement, preventing adequate support for an extended contingency.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		
4 PROJECT TITLE MUNITIONS STORAGE COMPLEX		5. PROJECT NUMBER TMKH850454

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 OCT 10
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 JUL 15
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	132
	(b)	All Other Design Costs	0
	(c)	Total	132
	(d)	Contract	77
	(e)	In-house	55
(4)	Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA	4 PROJECT TITLE UPGRADE CENTRAL HEATING PLANTS

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 821-116	7 PROJECT NUMBER TMKH870457	8 PROJECT COST ($000) 2,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UPGRADE CENTRAL HEATING PLANT	LS			1,725
REPLACE 6 BOILERS	LS			(925)
ALTER DISTRIBUTION LINES	LS			(800)
SUPPORTING FACILITIES				275
UTILITIES	LS			(85)
SITE IMPROVEMENTS	LS			(60)
DEMOLITION	LS			(130)
SUBTOTAL				2,000
CONTINGENCY (10%)				200
TOTAL CONTRACT COST				2,200
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				121
TOTAL REQUEST				2,321
TOTAL REQUEST (ROUNDED)				2,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Removal and replacement of existing boiler plants including installation of additional interconnecting piping to other heating plants and to energy distribution systems. Work includes EMCS connections.

11. REQUIREMENT: 72,850 MB ADEQUATE: 25,200 MB SUBSTANDARD: 47,636 MB

PROJECT: Upgrade two heat plants by replacing boilers and installing underground steam distribution lines.

REQUIREMENT: Sufficient heat plants of adequate size and configuration and with sufficient boiler capacity are required to provide reliable and economical heating capacity and industrial process steam to satisfy the requirements of the entire base. Adequate spare capacity is required to allow uninterrupted service during boiler maintenance periods.

CURRENT SITUATION: Five connected heat plant facilities with twelve boilers now provide steam to satisfy the requirements for the south cantonment side and the north industrial side of the base. Nine of the twelve boilers in use are over 30 years old and are badly deteriorated. One boiler in each of the five plants is normally down for repairs at any given time. This project will replace three boilers in each of two plants, one for the north and one for the south side of the base. The new boilers will be capable of using either gas or oil fuel to provide the flexibility to attain energy security. The boilers in the three plants not included in this upgrade will be retained as backup.

IMPACT IF NOT PROVIDED: Heat production will continue with the aged, deteriorated boilers with increasing maintenance and repair costs. Savings from new boilers such as fuel conservation, decreased air pollution and reduced maintenance/ repair will not be realized.

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		
4 PROJECT TITLE UPGRADE CENTRAL HEATING PLANTS	5. PROJECT NUMBER TMKH870457	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JAN 14
	(b) Percent Complete as of January 1986	30
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 04
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	203
	(b) All Other Design Costs	25
	(c) Total	228
	(d) Contract	128
	(e) In-house	100
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	2,466	4,540	3,038	68	1	2	151	180	351	10,797
b. END FY 19 91	2,490	4,523	3,045	68	1	2	151	180	351	10,811

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,126)	
b. INVENTORY TOTAL AS OF 30 Sept 85	172,965
c. AUTHORIZATION NOT YET IN INVENTORY	37,333
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,930
f. PLANNED IN NEXT THREE PROGRAM YEARS	19,300
g. REMAINING DEFICIENCY	138,010
h. GRAND TOTAL	389,438

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610-711	ADAL Consolidated Computer Facility	88,500 SF	8,900	Sep 82	Feb 86

9. Future Projects: (a) Included in Following Program (FY 88):

134-375	RAPCON Facility	6,034 SF	1,200
141-765	Flight Kitchen	2,800 SF	530
610-284	ADAL Administrative Facility	149,600 SF	7,000
800-000	ECIP	LS	300
831-168	Wastewater Treatment Plant	LS	3,900
	Total		12,930

(b) Typical Planned Next Three Years:

610-243	Consolidated Personnel Facility	62,000 SF	6,300

10. Mission or Major Functions: This base supports Headquarters Military Airlift Command, Headquarters Air Force Communications Command, an Aeromedical Airlift Wing, a reserve aeromedical airlift group, Headquarters Air Weather Service, numbered Air Force headquarters, a Communications Command facility checking squadron, USAF Environmental Technical Application Center and a major Air Force Medical center

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	6,100
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS	4 PROJECT TITLE ADD TO AND ALTER CONSOLIDATED COMPUTER FACILITY

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 610-711	7 PROJECT NUMBER VDYD840501	8 PROJECT COST ($000) 8,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER CONSOLIDATED COMPUTER FACILITY	SF	88,500	79	6,991
SUPPORTING FACILITIES				1,015
SPECIAL FOUNDATIONS	LS			(305)
PAVEMENTS	LS			(280)
UTILITIES	LS			(230)
SITE IMPROVEMENTS	LS			(200)
SUBTOTAL				8,006
CONTINGENCY (5%)				400
TOTAL CONTRACT COST				8,406
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				462
TOTAL REQUEST				8,868
TOTAL REQUEST (ROUNDED)				8,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION All work required to construct a three-story fireproof facility with reinforced concrete foundation and floor slab, with brick exterior, laminated slope roof, supporting utilities, including communications/information and service system wiring. Air conditioning - 160 Tons.

11. REQUIREMENT: 88,500 SF ADEQUATE: 0 SUBSTANDARD: 26,700 SF

PROJECT: Construct an addition to and alter the consolidated computer facility.

REQUIREMENT: An adequately sized and configured facility is required to accommodate the consolidated data automation; command, control, and communications; and other technical personnel and equipment providing direct support to the contingency wartime mission of Military Airlift Command (MAC) Headquarters. It is required for FY 87 and FY 88 delivery of new computers in support of the World Wide Military Command and Control System (WWMCCS) Information System. Three rooms will require Tempest shielding for the safe processing of top secret data.

CURRENT SITUATION: This function is now accommodated in three widely separated buildings. In recent years, HQ MAC has been assigned new missions which have increased the demand for reliable data automation. These missions include operation and management responsibility for the C-130 and C-21A/C-12F aircraft, restructuring as a specified command, Joint Deployment Agency support responsibility for Air Force Manager of the Search and Rescue Satellite Aided Tracking System (SARSAT), and software development responsibility for wartime planning/execution system

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE ADD TO AND ALTER CONSOLIDATED COMPUTER FACILITY		5. PROJECT NUMBER VDYD840501

and deployable command control systems. The existing computer facility is fully occupied. Personnel who manage the operation of existing computers must be moved from the present facility to make room for new computers. This project will place all MAC data automation functions supporting MAC's global contingency/wartime mission in one facility. IMPACT IF NOT PROVIDED: Computer support will continue at a reduced level of effectiveness. There will not be an adequate facility in which to install the new computer equipment when delivered.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE ADD TO AND ALTER CONSOLIDATED COMPUTER FACILITY		5. PROJECT NUMBER VDYD840501

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	82 SEP 13
(b)	Percent Complete as of January 1986	95
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 FEB 08

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	507
(b)	All Other Design Costs	0
(c)	Total	507
(d)	Contract	381
(e)	In-house	126

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 1.27

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,165	6,370	2,209	0	0	0	219	297	60	10,320
b. END FY 19 91	1,188	6,775	2,231	0	0	0	219	297	60	10,770

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,785)	
b. INVENTORY TOTAL AS OF 30 Sept 85	219,765
c. AUTHORIZATION NOT YET IN INVENTORY	119,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	570
f. PLANNED IN NEXT THREE PROGRAM YEARS	62,481
g. REMAINING DEFICIENCY	23,040
h. GRAND TOTAL	440,016

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-132	SATCOM Ground Terminal	3,400 SF	1,900	Jul 85	Mar 86
211-152	Alter Aircraft Maintenance Hangar	20,500 SF	1,600	Aug 84	Oct 85
610-129	Weapons Systems Maintenance Management & Support Facility (Appropriation Only)	53,600 SF	6,500*	May 83	Oct 84
740-674	Physical Fitness Center	18,500 SF	4,700	Mar 85	May 86
	*Carry-over Authorization in FY 86		14,700		

9. Future Projects: (a) Included in Following Program (FY 88):

610-112	Judge Advocate Facility	10,100 LS	570

(b) Typical Planned Next Three Years:

112-211	Aircraft Apron	8,400 SY	1,600
112-211	Parallel Taxiway	LS	31,000
131-111	Consolidated Communications Facility	33,900 SF	8,900
141-784	Alter Passenger Terminal	LS	650

10. Mission or Major Functions: Supports a numbered Air Force headquarters, two military airlift wings (one active and one reserve) with C-5 and C-141 aircraft and a major Air Force medical center.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	62
c.	Occupational safety and health:	5,930

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE SATELLITE COMMUNICATIONS GROUND TERMINAL

5 PROGRAM ELEMENT 3.36.05	6 CATEGORY CODE 131-132	7 PROJECT NUMBER XDAT870009	8 PROJECT COST ($000) 1,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SATELLITE COMMUNICATIONS GROUND TERMINAL	SF	3,400	280	952
SUPPORTING FACILITIES				750
UTILITIES	LS			(435)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(80)
OTHER SUPPORTING FACILITIES	LS			(160)
SUBTOTAL				1,702
CONTINGENCY (5%)				85
TOTAL CONTRACT COST				1,787
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				98
TOTAL REQUEST				1,885
TOTAL REQUEST (ROUNDED)				1,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				5,357

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slabs, masonry walls, built-up roof, environmental control, antenna foundations, waveguide trench, fire protection systems, utilities shielding, communications ducts and necessary support. All structural, electrical, and mechanical work required to provide an effective operations facility. Air Conditioning: 11 Tons

11. REQUIREMENT: 3,400 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Construct a satellite communications ground terminal.

REQUIREMENT: Properly sized and configured facilities are required to house a Defense Satellite Communications System (DSCS) ground terminal. The DSCS provides long distance communications with a Jam Resistant Secure Communications (JRSC) system to support critical command, control, intelligence and warning activities, and special users such as the President. The DSCS is an important component in the worldwide Defense Communications System and must be able to provide rapid and reliable service. This terminal will be an essential link in the Military Airlift Command's command and control system, providing connectivity with the National Command Authorities and with MAC's resources worldwide. It will handle traffic in both voice and data modes.

CURRENT SITUATION: Currently there is no DSCS terminal for this site. Existing long distance communications links to MAC are now routed through land links with limited capacity to distant satellite ground terminals. These circuits do not provide essential jam resistant features. A high degree of efficiency in the DSCS system is important to MAC to maintain communication contact with their airlift, aeromedical airlift and air

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1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE SATELLITE COMMUNICATIONS GROUND TERMINAL	5 PROJECT NUMBER XDAT870009	

rescue forces worldwide. This project will provide a properly equipped ground terminal to support MAC operational requirements through the DSCS. This DSCS ground terminal will provide a communication link to support essential command and control functions.

IMPACT IF NOT PROVIDED: The Air Force will not be able to install new equipment to be delivered in October 1987 to provide an essential upgrade of the DSCS capabilities. The substandard communication system will continue to exist, thus jeopardizing the overall DSCS mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE SATELLITE COMMUNICATIONS GROUND TERMINAL		5. PROJECT NUMBER XDAT870009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 15
	(b) Percent Complete as of January 1986	65
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAR 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	99
	(b) All Other Design Costs	91
	(c) Total	190
	(d) Contract	176
	(e) In-house	14
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Solid State Uninterruptible Power Supply	3080	87	357
Ground Satellite Terminal-49 w/Antenna	(Provided by Army)		5,000

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4 PROJECT TITLE ALTER AIRCRAFT MAINTENANCE HANGAR	
5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 211-152	7 PROJECT NUMBER XDAT840044	8 PROJECT COST ($000) 1,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AIRCRAFT MAINTENANCE HANGAR	SF	20,500	66	1,353
SUPPORTING FACILITIES				110
ELECTRICAL	LS			(70)
MECHANICAL	LS			(40)
SUBTOTAL				1,463
CONTINGENCY (5%)				73
TOTAL CONTRACT COST				1,536
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				84
TOTAL REQUEST				1,620
TOTAL REQUEST (ROUNDED)				1,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Erect a pre-engineered metal building inside an existing hangar. Provide noise level reduction, explosion proof fixtures, dust collector, air filtration/scrubber system, compressed air and other necessary support.

11. REQUIREMENT: 102,000 SF ADEQUATE: 81,500 SF SUBSTANDARD: 3,000 SF

PROJECT: Alter an aircraft maintenance hangar for a general purpose shop.

REQUIREMENT: An adequate facility for the fabrication or repair of fiberglass components for C-5 and C-141 aircraft and the bonding to adjoining metals. Due to the volatile nature of chemicals and compounds used in the production of fiberglass, the safety of facilities and personnel demands strict environmental control.

CURRENT SITUATIONS: The existing fiberglass bonding shop occupies 3,000 SF in a 33-year-old wood frame, high resource consuming building that provides less than 15 percent of the required area and lacks the required environmental controls to meet OSHA and EPA standards for fiberglass construction. When weather permits, larger parts of high priority work are moved outside for fabrication in a restricted area. Most fiberglass component work is contracted to commercial firms that historically have long lead times to fabricate fiberglass components causing excessive delays in aircraft out-of-commission time. This project will provide an adequate facility to provide fiberglass components for all aircraft of the 22nd Air Force. The 3,000 SF area will be retained for storage of bulk materials.

IMPACT IF NOT PROVIDED: Fiberglass fabrication and repair will continue with excessive delays and production of inferior products.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ALTER AIRCRAFT MAINTENANCE HANGAR		5. PROJECT NUMBER XDAT840044

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 AUG 06
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 OCT 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	71
(b)	All Other Design Costs	65
(c)	Total	136
(d)	Contract	117
(e)	In-house	19

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE WEAPONS SYSTEMS MAINTENANCE MANAGEMENT AND SUPPORT FACILITY

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 610-129	7 PROJECT NUMBER XDAT850003L	8 PROJECT COST ($000) 6,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SYSTEMS MAINTENANCE MANAGEMENT AND SUPPORT FACILITY	SF	53,600	88	4,717
SUPPORTING FACILITIES				1,120
SITE IMPROVEMENT	LS			(100)
UTILITIES	LS			(350)
DEMOLITION	LS			(250)
PAVEMENTS	LS			(120)
SEISMIC	LS			(300)
SUBTOTAL				5,837
CONTINGENCY (5%)				292
TOTAL CONTRACT COST				6,129
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				337
TOTAL REQUEST				6,466
TOTAL REQUEST (ROUNDED)				6,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural frame, walls, roof system, utilities and all necessary support. Includes control centers, training rooms, material storage and handling areas, administrative and support space. Air Conditioning: 50 Tons.

11. REQUIREMENT: 61,100 SF ADEQUATE: 7,500 SF SUBSTANDARD: 72,200 SF

PROJECT: Construct an aircraft maintenance and support facility.

REQUIREMENT: An adequate facility is required for management support of the base aircraft maintenance program. It includes maintenance control; plans, scheduling and documentation; material control, quality control, records and analysis; chief of maintenance and administrative staff. Processing all aircraft sub-assemblies and managing all weapon systems, including assignment of work schedules priorities and personnel utilization will be managed from this facility.

CURRENT SITUATION: This function now occupies portions of three substandard, inadequate wood hangars built in 1944. They are located in a high noise area near the flight line and heating, ventilation and electrical systems are nonexistent or in a deteriorated state requiring replacement. Lack of insulation and sound attenuation causes an adverse impact on the health, welfare and morale of assigned personnel. Because of age and advanced structural deterioration, these facilities cannot be upgraded. One of the hangars suffered a major truss failure in 1980 and further such failures endanger the building occupants. Some functions requiring collocation are split in separate facilities, creating loss of coordination, control and time. Two of the three facilities, one of

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE WEAPONS SYSTEMS MAINTENANCE MANAGEMENT AND SUPPORT FACILITY		5. PROJECT NUMBER XDAT850003L

which is in the way of construction, will be demolished as a result of this project.

IMPACT IF NOT PROVIDED: Vital aircraft maintenance control operations will continue in the inadequate facilities, impacting on personnel morale and efficiency.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE WEAPONS SYSTEMS MAINTENANCE MANAGEMENT AND SUPPORT FACILITY		5. PROJECT NUMBER XDAT850003L

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		83 MAY 17
(b) Percent Complete as of January 1986		100
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		84 OCT 26
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		277
(b) All Other Design Costs		60
(c) Total		337
(d) Contract		316
(e) In-house		21
(4) Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE PHYSICAL FITNESS CENTER

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 740-674	7 PROJECT NUMBER XDAT870002L	8 PROJECT COST ($000) 4,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS CENTER	SF	28,500	110	3,135
SUPPORTING FACILITIES				1,110
ROADS, PARKING AND WALKS	LS			(530)
UTILITIES	LS			(85)
DEMOLITION	LS			(75)
SITE IMPROVEMENTS	LS			(200)
ENERGY MONITORING AND CONTROL SYSTEM	LS			(30)
SEISMIC	LS			(190)
SUBTOTAL				4,245
CONTINGENCY (5%)				212
TOTAL CONTRACT COST				4,457
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				245
TOTAL REQUEST				4,702
TOTAL REQUEST (ROUNDED)				4,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slabs, masonry walls, structural steel framing and built-up roof. Area includes gymnasium with seating for 1,000, exercise and weight room, men's and women's steam rooms, saunas, showers, locker rooms and bathrooms, nine squash and handball courts, equipment issue and storage, laundry, staff administrative space and necessary support items.

11 REQUIREMENT: 61,100 SF ADEQUATE: 0 SUBSTANDARD: 43,175 SF

PROJECT: Construct a physical fitness center.

REQUIREMENT: Adequate space, properly sized and configured, is required in which physical fitness and indoor recreation activities can be provided for assigned personnel at this base. Functional and adequately sized gymnasiums are an essential part of the living and working environment of personnel on an Air Force base. Physical well-being and good morale, resulting in part from facilities providing for exercise, team and individual sports, are essential to the development and retention of personnel.

CURRENT SITUATION: Two substandard, gymnasium facilities are now in use. The main gymnasium contains one game court for basketball, volleyball and badminton. This court is used for male and female intramurals in these sports, all in season at the same time. This greatly restricts the scope of these programs. The health center is in an isolated area with no direct access to any lockers, latrines or showers. These can only be reached by use of an outside, covered walkway. Lack of separate lockers, shower and latrine areas in this facility precludes concurrent use by men and women. With these limitations and an obsolete hot water/heating system, this facility

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE PHYSICAL FITNESS CENTER		5. PROJECT NUMBER XDAT870002L

cannot support the demands for physical activities. It will be retained and upgraded by a future operational and maintenance (O&M) project for continued use to complement the proposed new gymnasium. The second facility is a 28 year old, converted wooden theatre with one small basketball court, no showers for women and limited space for physical conditioning equipment. It will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Physical conditioning and recreational programs will continue to be limited due to facility shortcomings, with a resulting negative impact on personnel morale and retention of highly trained and qualified Air Force members.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE PHYSICAL FITNESS CENTER		5. PROJECT NUMBER XDAT870002L

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 13
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 15

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - MCCHORD

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	275
(b) All Other Design Costs	57
(c) Total	332
(d) Contract	305
(e) In-house	27
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
PACIFIC AIR FORCES				
HICKAM AFB, HI				260
ADD TO AND ALTER COMMAND CENTER	4,700	4,700	35	261
VEHICLE OPERATIONS/MAINTENANCE FACILITY	1,150	1,150	50	263
BASE SUBTOTAL:	5,850	5,850		
COMMAND TOTAL:	5,850	5,850		

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 1.27

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1083	4,093	1,971	0	0	0	267	416	22	7,852
b. END FY 19 91	1078	4,117	1,996	0	0	0	267	416	22	7,896

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (7,813)	
b. INVENTORY TOTAL AS OF 30 Sept 85	342,782
c. AUTHORIZATION NOT YET IN INVENTORY	480
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,050
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,130
g. REMAINING DEFICIENCY	73,520
h. GRAND TOTAL	446,812

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-461	Add to and Alter Command Center	21,000 SF	4,700	Aug 85	Aug 86
610-121	Vehicle Operations/Maintenance Facility	8,200 SF	1,150	Jul 85	May 86
	Total		5,850		

9. Future Projects: (a) Included in Following Program (FY 88):

510-001	Add to and Alter Medical/Dental Clinic	87,000 SF	10,000
871-183	Improve Drainage System	LS	3,150
880-211	Fire Protection	302,000 SF	1,900

(b) Typical Planned Next Three Years:

721-321	Unaccompanied Enlisted Personnel Housing	247 SF	2,100
812-926	Apron Lighting	6 EA	700

10. Mission or Major Functions: A Major Command Headquarters; an airborne command and control squadron with EC-135 aircraft; an Air National Guard group with F-4C and C-130 aircraft; a test group with C/HC-130 and HH-53 aircraft; a military airlift detachment with C-135 aircraft; an air division; and an air base wing with T-33 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	3,146
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII	4 PROJECT TITLE ADD TO AND ALTER COMMAND CENTER

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 141-461	7 PROJECT NUMBER KNMD860848	8 PROJECT COST ($000) 4,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER COMMAND CENTER	SF	21,000	160	3,360
SUPPORTING FACILITIES				685
SUBTOTAL				4,045
CONTINGENCY (10%)				405
TOTAL CONTRACT COST				4,450
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				245
TOTAL REQUEST				4,695
TOTAL REQUEST (ROUNDED)				4,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NONADD)				(2,300)

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural, mechanical, and support work and an addition to an existing generator building. Command Center will be altered to reconfigure the space, expand the SCI vaulted area and support new communication and ADP systems. To accommodate equipment, support requirements include raised flooring, UPS, dedicated electrical circuits, RFI shielding, halon protection, and air conditioning. Air Conditioning - 260 Tons.

11. REQUIREMENT: As Required.

PROJECT: Add to and alter Headquarters Pacific Air Forces Command Center.

REQUIREMENT: An adequate facility is required to provide a Command Center for Headquarters Pacific Air Forces. New state-of-the art operational, intelligence, and communications equipment is required to command and control theater forces.

CURRENT SITUATION: This existing command center is over 25 years old, is functionally deficient, and has antiquated communication and data processing equipment. The required volume of command and control data that must be processed has increased beyond the capacity of existing equipment. The command center is not capable of processing data and providing near-real-time information to the Commander and Senior Battle Staff. The battle staff area is not adequately configured to integrate operations and intelligence. The center does not have sufficient space to accommodate augmentee and essential personnel during contingency operations.

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1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		
4 PROJECT TITLE ADD TO AND ALTER COMMAND CENTER	5 PROJECT NUMBER KNMD870848	

IMPACT IF NOT PROVIDED: The command center will not be able to properly manage and control operations within PACAF. The interface between operations and intelligence functions will be incomplete, limiting effectiveness of the Senior Battle Staff. High potential for security compromise and breakdown in command and control will exist due to antiquated equipment and inadequate facilities.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE ADD TO AND ALTER COMMAND CENTER		5. PROJECT NUMBER KNMD860848

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 AUG 01
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 15

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	135
(b) All Other Design Costs	282
(c) Total	417
(d) Contract	417
(e) In-house	0
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII	4 PROJECT TITLE VEHICLE OPERATIONS/ MAINTENANCE FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-121	7 PROJECT NUMBER KNMD900818	8 PROJECT COST ($000) 1,150

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VEHICLE OPERATIONS/MAINTENANCE CONTROL FACILITY	SF	8,200	90	738
SUPPORTING FACILITIES				285
ELECTRICAL	LS			(175)
WATER AND SEWER	LS			(25)
SITE IMPROVEMENT	LS			(75)
COMMUNICATIONS	LS			(10)
SUBTOTAL				1,023
CONTINGENCY (5%)				51
TOTAL CONTRACT COST				1,074
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				59
TOTAL REQUEST				1,133
TOTAL REQUEST (ROUNDED)				1,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slabs, structural steel framing, masonry walls, roof system, fire protection system, utilities and necessary support. Includes driver's ready room, dispatcher's office, classroom, locker rooms, restrooms, offices, shops, and other support areas.

Air Conditioning: 30 tons.

11. REQUIREMENT: 50,300 SF ADEQUATE: 42,100 SF SUBSTANDARD: 14,700

PROJECT: Construct a vehicle operations and maintenance facility.

REQUIREMENT: A vehicle operations facility is required to efficiently manage the vehicles assigned to the base transportation squadron as well as provide driver education and testing. In addition, adequate space is required to house the management activities of the vehicle maintenance shop and a vehicle operations parking shed for the protection of vehicles.

CURRENT SITUATION: The existing facility which houses vehicle operations is a deteriorated 40-year old World War I building. Heavy termite damage and severe corrosion of steel structural members make upgrade or alterations unfeasible. Office areas are overcrowded. The maintenance function is currently housed in two trailers which have termite damage and extensive deterioration. These trailers have no restrooms and electrical power is provided by temporary connection of high voltage cables laid directly on the asphalt pavement of the maintenance compound. This project will allow for demolition of two high resource consuming WW II wooden buildings and two trailers.

IMPACT IF NOT PROVIDED: Vehicle operations will continue to occupy deteriorated, cramped and unsafe facilities.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE VEHICLE OPERATIONS/ MAINTENANCE FACILITY		5. PROJECT NUMBER KNMD900818

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JUL 12
	(b)	Percent Complete as of January 1986	50
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 MAY 02
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	40
	(b)	All Other Design Costs	69
	(c)	Total	109
	(d)	Contract	109
	(e)	In-house	0
(4)	Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
SPACE COMMAND				
CAPE COD AFS, MA				266
ALTER POWER PLANT	4,300	4,300	80	267
BASE SUBTOTAL:	4,300	4,300		
CAVALIER AFS, ND				269
ALTER SATCOM GROUND TERMINAL	1,700	1,700	35	270
ADD TO AND ALTER COOLING SYSTEM	1,120	1,120	50	272
BASE SUBTOTAL:	2,820	2,820		
FALCON AFS, CO				274
LAND ACQUISITION	6,400	6,400	N/A	275
BASE SUBTOTAL:		6,400	6,400	
PETERSON AFB, CO				277
ADD TO AND ALTER SECURITY POLICE FACILITY	590	590	35	1083
BASE SUPPLY WAREHOUSE-PHASE I	4,000	4,000	100	278
TROOP SUBSISTENCE STORAGE FACILITY	990	990	90	1083
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,050	3,050	95	280
BASE SUBTOTAL:	8,630	8,630		
COMMAND TOTAL:	22,150	22,150		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION CAPE COD AIR FORCE STATION, MASSACHUSETTS	4. COMMAND SPACE COMMAND	5. AREA CONSTR COST INDEX 1.13

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	14	142	88	0	0	0	0	0	0	244
b. END FY 19 91	15	113	108	0	0	0	0	0	0	236

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (101)	
b. INVENTORY TOTAL AS OF 30 Sept 85	9,490
c. AUTHORIZATION NOT YET IN INVENTORY	600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	14,390

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811-147	Alter Power Plant	4,500 KW	4,300	Jul 85	Apr 86

9. Future Projects: None

10. Mission or Major Functions: Cape Cod AFS - Supports a missile early warning unit.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CAPE COD AIR FORCE STATION, MASSACHUSETTS	4 PROJECT TITLE ALTER POWER PLANT

5 PROGRAM ELEMENT 1.23.12	6 CATEGORY CODE 811-147	7 PROJECT NUMBER DBHQ871151	8 PROJECT COST ($000) 4,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER POWER PLANT	KW	4,500	340	1,530
SUPPORTING FACILITIES				2,175
ALTER DISTRIBUTION SYSTEM	LS			(1,250)
ALTER SWITCHGEAR	LS			(925)
SUBTOTAL				3,705
CONTINGENCY (10%)				371
TOTAL CONTRACT COST				4,076
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				224
TOTAL REQUEST				4,300
TOTAL REQUEST (ROUNDED)				4,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION All work necessary to improve electrical power reliability and support mission upgrade. Includes replacement of existing diesel engine generators with three 1,500 KW units, alterations of foundation pads and structural support for ancillary equipment. Includes new substations, transmission and feeder lines, distribution switchboards, transformers and necessary support.

11. REQUIREMENT: 9,000KW ADEQUATE: 4,500KW SUBSTANDARD: 3,000KW

PROJECT: Alter emergency stand-by power plant.

REQUIREMENT: Emergency backup power of adequate capacity is required to insure continued operation of the PAVE PAWS surveillance and tracking radar system. PAVE PAWS provides early warning and attack assessment of Submarine Launched Ballistic Missiles (SLBM) against the Continental United States. Reliable power is required to ensure ability to maintain a deterrent capability to detect SLBMs.

CURRENT SITUATION: Three existing substandard generators are over twenty-five years old, require excessive amounts of maintenance and must be replaced. Engine blocks have corrosion damage. Cylinder liners and fuel control systems have required constant repair. Increases to the mission support systems require additional generating power and upgrade of switchgear and substation. Third party financing is not feasible as this project alters the existing plant to provide only a 20% increase in power to be used for emergency standby.

IMPACT IF NOT PROVIDED: The plant will operate at low reliability with insufficient capacity to support the PAVE PAWS mission.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

CAPE COD AIR FORCE STATION, MASSACHUSETTS

4 PROJECT TITLE ALTER POWER PLANT	5. PROJECT NUMBER DBHQ871151

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUL 01
(b)	Percent Complete as of January 1986	80
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 APR 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	169
(b)	All Other Design Costs	51
(c)	Total	220
(d)	Contract	200
(e)	In-house	20

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION CAVALIER AIR FORCE STATION, NORTH DAKOTA	4 COMMAND SPACE COMMAND	5 AREA CONSTR COST INDEX 0.98

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	11	17	5	0	0	0	0	0	0	33
b. END FY 1991	11	17	5	0	0	0	0	0	0	33

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (650)	
b. INVENTORY TOTAL AS OF 30 Sept 84	950
c. AUTHORIZATION NOT YET IN INVENTORY	2,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	7,520

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-132	Alter SATCOM Ground Terminal	LS	1,700	Jun 85	May 86
141-391	Add to and Alter Cooling System	LS	1,120	Jun 85	May 86
	Total		2,820		

9. Future Projects: (a) Included in Following Program (FY 88):

811-145 Upgrade Power Plant LS 3,750

(b) Typical Planned Next Three Years: None

10. Mission or Major Functions: Cavalier AFS - Supports a missile early warning unit.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CAVALIER AIR FORCE STATION, NORTH DAKOTA	4 PROJECT TITLE ALTER SATCOM GROUND TERMINAL

5 PROGRAM ELEMENT 3.36.05	6 CATEGORY CODE 131-132	7 PROJECT NUMBER EGYN878720	8 PROJECT COST ($000) 1,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER SATCOM GROUND TERMINAL	LS			1,030
ALTER SATELLITE COMM GROUND TERMINAL	SF	4,000	180	(720)
ALTER TAPE LIBRARY	LS			(310)
SUPPORTING FACILITIES				435
SHIELDING	LS			(60)
ANTENNA FOUNDATION	LS			(45)
UTILITIES	LS			(240)
FIRE PROTECTION	LS			(90)
SUBTOTAL				1,465
CONTINGENCY (10%)				147
TOTAL CONTRACT COST				1,612
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				89
TOTAL REQUEST				1,701
TOTAL REQUEST (ROUNDED)				1,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATION	(NON-ADD)			(8,400)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter existing floor space. Provide raised floor, air conditioning and environmental control, fire protection, utilities, communications and necessary support. Includes radome, antenna foundation, maintenance and supply areas. Alter facility to provide new tape storage area displaced by SATCOM facility. Air Conditioning - 30 Tons.

11. REQUIREMENTS: 4,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Alter a satellite communications ground terminal facility.

REQUIREMENT: Properly sized and configured facilities are required to house Defense Satellite Communications System (DSCS) ground terminals. The DSCS provides long distance communications with a Jam Resistant Secure Communications system to support critical command, control, intelligence and warning activities. The DSCS is an important component in the worldwide defense communications system and must be able to provide rapid and reliable service.

CURRENT SITUATION: There is no DSCS terminal for this site. Existing long distance communications links to NORAD are now routed through circuits via terrestrial and commercial satellite link. These circuits do not provide essential jam resistant features and do not provide survivable and secure communications. This project will provide a new ground terminal to properly support NORAD operational requirements with missile warning data.

IMPACT IF NOT PROVIDED: Without this project National Military Command System, SAC and NORAD will continue to rely on the vulnerable circuits for critical missile warning and assessment communications.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION CAVALIER AIR FORCE STATION, NORTH DAKOTA		
4 PROJECT TITLE ALTER SATCOM GROUND TERMINAL		5 PROJECT NUMBER EGYN878720

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUN 03
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	167
(b)	All Other Design Costs	0
(c)	Total	167
(d)	Contract	140
(e)	In-house	27

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Raydome	3080	87	400
Antenna	3080	87	1,500
AN-GSC/52 MILSATCOM Equipment	3080	87	5,000
DCSS Equipment	3080	87	1,500

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION CAVALIER AIR FORCE STATION, NORTH DAKOTA		4 PROJECT TITLE ADD TO AND ALTER COOLING SYSTEM	
5 PROGRAM ELEMENT 1.23.12	6 CATEGORY CODE 141-391	7 PROJECT NUMBER EGYN878721	8 PROJECT COST ($000) 1,120

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER COOLING SYSTEM	LS			965
INSTALL COOLING TOWERS	EA	2	170,000	(340)
COOLING TOWER BASINS	EA	2	27,500	(55)
CHILLER STARTERS	EA	3	190,000	(570)
SUBTOTAL				965
CONTINGENCY (10%)				97
TOTAL CONTRACT COST				1,062
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				58
TOTAL REQUEST				1,120

10 DESCRIPTION OF PROPOSED CONSTRUCTION Install two cooling towers and supporting basins. Tower design shall match existing three towers in size, material of construction and capacity. Alter refrigeration chillers (3 ea) by replacing full voltage across-the-line starters with reduced voltage starters.

11. REQUIREMENTS: As required.

PROJECT: Upgrade the cooling system to primary power diesel generators supporting the Perimeter Acquistion Radar Attack Characterization System (PARCS).

REQUIREMENTS: Adequate cooling capacity is required for power generators supporting the PARCS to prevent electrical power outage due to failure of cooling equipment. The PARCS provides continuous warning and attack characterization of sea launched and intercontinental ballistic missiles against the US.

CURRENT SITUATION: The existing cooling system cannot provide reliable cooling for diesel generators. In the event of failure of existing cooling towers, the primary power diesel generators must be shut down. High start-up loads of the chillers cause fluctuation in power to sensitive electronic equipment.

IMPACT IF NOT PROVIDED: Lack of this project will continue to expose the PARCS to unreliable electrical power and could result in the loss of radar surveillance.

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION CAVALIER AIR FORCE STATION, NORTH DAKOTA		
4. PROJECT TITLE ADD TO AND ALTER COOLING SYSTEM		5. PROJECT NUMBER EGYN878721

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 09
	(b) Percent Complete as of January 1986	50
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 20
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	88
	(b) All Other Design Costs	0
	(c) Total	88
	(d) Contract	74
	(e) In-house	14
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION FALCON AIR FORCE STATION, COLORADO	4 COMMAND SPACE COMMAND	5 AREA CONSTR COST INDEX 0.94

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	19	49	12	0	0	0	0	0	0	80
b. END FY 1991	173	631	96	0	0	0	0	0	0	900

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (640)	
b. INVENTORY TOTAL AS OF 30 Sept 85	60,200
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	1,800
h. GRAND TOTAL	70,150

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
921-177	Land Acquisition	LS	6,400	N/A	N/A

9. Future Projects: (a) Included in Following Program (FY 88):

141-000	Space Forecast Center	10,000 SF	1,750

(b) Typical Planned Next Three Years: None

10. Mission or Major Functions: Falcon AFS - Supports the 2nd Space Wing and the Consolidated Space Operations Center (CSOC).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

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PAGE NO.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION FALCON AIR FORCE STATION, COLORADO	4 PROJECT TITLE LAND ACQUISITION

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.24.96	921-177	GLEN876000	6,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS			6,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Land acquisition to support access control for the Consolidated Space Operations Center (CSOC).

REQUIREMENT: Land is required to assure the continuation of the CSOC mission requirements for satellite control/communications, allow for future expansion and preclude encroachment (building density, vertical obstruction and electronic interference and surveillance).

CURRENT SITUATION: This acquisition supplements the FY 85 MILCON Authorization Law which provides for the no-cost exchange of excess Federal Land for state-owned property surrounding Falcon AFS. Developers are purchasing land and submitting plans to the county commissioners for major construction projects adjacent to Falcon AFS. Plans for industrial, high and low density housing and recreation facilities are proposed. This type of construction will cause an influx of people in the area and, if high rise structures are approved, would cause signal interference of Falcon's mission.

IMPACT IF NOT PROVIDED: Degraded mission capability (vertical obstruction) of critical sensors, degraded mission quality (electronic interference), greater susceptibility to sabotage and electronic surveillance and loss of future expansion capability will occur.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION FALCON AIR FORCE STATION, COLORADO		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER GLEN876000

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started
- (b) Percent Complete as of January 1986 0
- (c) Percent Complete as of October 1986 0
- (d) Date Design Complete

(2) Basis
- (a) Standard or Definitive Design - Yes No X
- (b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications 0
- (b) All Other Design Costs 0
- (c) Total 0
- (d) Contract 0
- (e) In-house 0

(4) Construction start

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO	4. COMMAND SPACE COMMAND	5. AREA CONSTR COST INDEX 0.94

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	372	1,208	877	13	6	1	35	58	0	2,570
b. END FY 19 91	847	1,489	1,224	8	7	1	35	58	0	3,669

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,155)	
b. INVENTORY TOTAL AS OF 30 Sept 85	89,400
c. AUTHORIZATION NOT YET IN INVENTORY	5,200
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,630
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,500
g. REMAINING DEFICIENCY	10,500
h. GRAND TOTAL	141,430

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
130-835	Add to and Alter Security Police Facility	5,700 SF	590	Dec 84	Jun 86
442-758	Base Supply Warehouse, Phase I	84,000 SF	4,000	Jun 84	Nov 85
442-765	Troop Subsistance Storage Facility	8,600 SF	990	Apr 85	Mar 86
721-312	Unaccompanied Enlisted Personnel Housing	180 PN	3,050	May 84	Feb 86
	Total		8,630		

9. Future Projects: Included in Following Program (FY 88):

130-142	Fire Station	15,700 SF	1,500
141-000	Space Operations Training Facility-Phase III	87,000 SF	11,400
214-425	Add to Vehicle Maintenance Facility	5,100 SF	600
721-312	Alter Unaccompanied Enlisted Personnel Housing	288 PN	2,350
740-674	Add to Gymnasium	34,900 SF	3,300
740-884	Add to and Alter Child Care Center	8,800 SF	1,050
	Total		20,200

10. Mission or Major Functions: This base provides support operations for the North American Air Defense Command headquarters; Space Command Headquarters; the First Space Wing; Falcon AFS; an AF Reserve C-130 unit.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO	4 PROJECT TITLE BASE SUPPLY WAREHOUSE, PHASE I

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.24.96	442-758	TDKA871000	4,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE SUPPLY WAREHOUSE, PHASE I	SF	84,000	33	2,772
SUPPORTING FACILITIES				850
UTILITIES	LS			(90)
FIRE PROTECTION SYSTEMS	LS			(250)
SPECIAL FOUNDATIONS	LS			(360)
PAVEMENTS	LS			(150)
SUBTOTAL				3,622
CONTINGENCY (5%)				181
TOTAL CONTRACT COST				3,803
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				209
TOTAL REQUEST				4,012
TOTAL REQUEST (ROUNDED)				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, precast and prestressed concrete structure, built-up roof, and fire protection and a vertical inside ceiling height of 25 feet. Includes open storage with utilities and necessary support.

11. REQUIREMENT: 232,400 SF ADEQUATE: 14,600 SF SUBSTANDARD: 150,200 SF

PROJECT: Construct a base supply warehouse.

REQUIREMENT: Warehouse space is required for the efficient processing, handling and storage of supplies. This facility must accommodate the storage and retrieval of materials with the speed and volume of state-of-the-art handling systems and centralized supply management.

CURRENT SITUATION: Base supply functions are being accomplished in 24 widely separated facilities, most of which were constructed during World War II. Warehouse facilities are wood frame structures which do not have insulation and have inadequate lighting. Because of foundation settling, structural damage, roof leaks and dock deterioration, these facilities must be replaced. Increased requirements have resulted in supplies being stored outside which causes equipment and material damage. Existing wood framed facilities will be demolished upon completion of this project. This is the first phase of a two-phased effort to provide adequate warehouse space at Peterson AFB.

IMPACT IF NOT PROVIDED: Loss of valuable resources will continue to occur because of the lack of covered storage. Inefficient and inadequate supply operation will continue due to facility arrangement and age. Failure to provide warehouse space will degrade Peterson's ability to support current missions.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE BASE SUPPLY WAREHOUSE PHASE I	5. PROJECT NUMBER TDKA871000	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	84 JUN 25
	(b)	Percent Complete as of January 1986	100
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	85 NOV 15
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	344
	(b)	All Other Design Costs	0
	(c)	Total	344
	(d)	Contract	279
	(e)	In-house	65
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO	4 PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 1.24.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER TDKA861000	8 PROJECT COST ($000) 3,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (180 PN)	SF	34,400	64	2,202
SUPPORTING FACILITIES				552
COMMUNICATIONS SUPPORT	LS			(203)
UTILITIES	LS			(117)
PAVEMENTS	LS			(117)
SITE IMPROVEMENTS	LS			(115)
SUBTOTAL				2,754
CONTINGENCY (5%)				138
TOTAL CONTRACT COST				2,892
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				159
TOTAL REQUEST				3,051
TOTAL REQUEST (ROUNDED)				3,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete building with brick exterior, concrete floor slabs, roof system, fire protection, utilities and necessary support. Includes room-bath-room configuration, closets, centralized storage, laundry and support space. GRADE MIX: 180 E1-E4

11. REQUIREMENT: 1,368 PN ADEQUATE: 180 PN SUBSTANDARD: 702 PN

PROJECT: Construct unaccompanied enlisted personnel housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Lack of such quarters is an irritant to these personnel and a known contributor to low re-enlistment rates.

CURRENT SITUATION: Airmen are required to find housing off base or "double-up" in existing dormitory space. High rents and lack of adequate public transportation within the local community create a substandard condition for assigned airmen.

IMPACT IF NOT PROVIDED: Crowded living space causes disruption of private life and will continue to contribute to the loss of morale and mission effectiveness.

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PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER TDKA861000

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 MAY 18
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 FEB 21

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	185
(b) All Other Design Costs	0
(c) Total	185
(d) Contract	149
(e) In-house	36

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

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DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
SPECIAL PROJECT				
CONUS UNSPECIFIED SPECIAL TACTICAL FACILITIES	37,056	37,056	N/A	283
BASE SUBTOTAL;	37,056	37,056		
COMMAND TOTAL;	37,056	37,056		

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION UNSPECIFIED LOCATIONS, CONUS	4 PROJECT TITLE SPECIAL TACTICAL DETACHMENT

5 PROGRAM ELEMENT 2.72.48	6 CATEGORY CODE 100-000	7 PROJECT NUMBER TAYZ873007	8 PROJECT COST ($000) 37,056

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SPECIAL TACTICAL DETACHMENT SUPPORTING FACILITIES	LS			37,056

10 DESCRIPTION OF PROPOSED CONSTRUCTION Provides facilities for a special project.

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DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
STRATEGIC AIR COMMAND				
BASE 18-CLASSIFIED LOCATION, ZI				285
KC-135R-ALTER HYDRANT REFUELING SYSTEM	8,500	8,500	50	288
KC-135R-ALTER HEADQUARTERS OPERATIONS FACILITY	7,700	7,700	35	290
KC-135R-ALTER AIRFIELD PAVEMENTS	6,600	6,600	90	293
KC-135R-CENTRAL AIRCRAFT SUPPORT SYSTEM-PHASE I	1,800	1,800	60	295
KC-135R-ALTER FUEL SYSTEM MAINTENANCE DOCK	1,400	1,400	80	297
KC-135R-INSTRUMENT LANDING SYSTEM	920	920	60	299
KC-135R-RUNWAY APPROACH LIGHTS	800	800	75	299
KC-135R-ADD TO AND ALTER FIRE STATION	570	570	100	300
KC-135R-ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	800	800	100	300
KC-135R-ALTER SUPPORT EQUIPMENT AND STORAGE FACILITY	280	280	100	301
KC-135R-APRON LIGHTING	390	390	75	301
KC-135R-ALTER AVIONICS MAINTENANCE SHOP	210	210	100	302
BASE SUBTOTAL:	29,970	29,970		
BASE 43, CLASSIFIED LOCATION, ZI				303
STC-RANGE CONTROL AND OPERATIONS FACILITY	5,500	5,500	35	304
BASE SUBTOTAL:		5,500	5,500	
BEALE AFB, CA				307
U-2R-SHELTER AND APRON	3,516	3,516	45	308
TR-1-AIRCRAFT SHELTER/APRON	4,000	4,000	55	311
KC-135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	890	890	70	1078
T-9-NOISE SUPPRESSOR SUPPORT FACILITY	710	710	55	1079
SECURITY IMPROVEMENTS	400	400	85	1079
BASE SUBTOTAL:	9,516	9,516		
BLYTHEVILLE AFB, AR				314
ALTER TAXIWAYS	2,000	2,000	55	315
PETROLEUM OPERATIONS FACILITY	540	540	55	1077
ADD TO AND ALTER TARGET INTELLIGENCE FACILITY	820	820	55	1078
SECURITY IMPROVEMENTS	1,050	1,050	55	317
BASE SUBTOTAL:	4,410	4,410		

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FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
CARSWELL AFB, TX				319
VEHICLE FUELING STATION	490	490	55	1099
BASE SUBTOTAL:	490	490		
CASTLE AFB, CA				320
T-9 NOISE SUPPRESSOR SUPPORT FACILITY	830	830	35	1080
SURVIVAL EQUIPMENT SHOP	1,800	1,800	100	321
BASE SUBTOTAL:	2,630	2,630		
DYESS AFB, TX				323
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	960	960	85	1100
T-9-NOISE SUPPRESSOR SUPPORT FACILITY	780	780	90	1101
B-1B-MUNITIONS EQUIPMENT STORAGE FACILITIES	1,050	1,050	100	324
B-1B-JET ENGINE STORAGE FACILITY	590	590	100	1101
SECURITY IMPROVEMENTS	750	750	80	1100
BASE SUBTOTAL:	4,130	4,130		
ELLSWORTH AFB, SD				326
LIFE SUPPORT FACILITY	950	950	40	1097
CONTROL TOWER	2,150	2,150	40	327
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,000	1,000	60	1097
B1-B-ADD TO AND ALTER WRSK STORAGE FACILITY	860	860	50	1098
SECURITY IMPROVEMENTS	450	450	60	1096
BASE SUBTOTAL:	5,410	5,410		
F.E. WARREN AFB, WY				329
PEACEKEEPER - LAUNCH FACILITIES SITE WORK	5,000	5,000	95	330
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	550	550	60	1103
ADD TO AND ALTER ENERGY MONITORING/CONTROL SYSTEM	2,600	2,600	50	332
PEACEKEEPER-ACCESS ROADS	14,500	14,500	N/A	1063
PEACEKEEPER-REAL ESTATE	400	400	N/A	1104
BASE SUBTOTAL:	23,050	23,050		

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INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
FAIRCHILD AFB, WA				334
SECURITY POLICE OPERATIONS FACILITY	2,900	2,900	100	335
T-9-NOISE SUPPRESSOR SUPPORT FACILITY	750	750	60	1102
ALTER CONSOLIDATED BASE PERSONNEL OFFICE	1,950	1,950	35	337
ECIP-WEATHERIZE	1,350	1,350	100	1068
SECURITY IMPROVEMENTS	570	570	100	1103
BASE SUBTOTAL:	7,520	7,520		
GRAND FORKS AFB, ND				340
B-1B-SUPPORT EQUIPMENT AND STORAGE FACILITY	3,150	3,150	40	343
B-1B-CENTRAL AIRCRAFT SUPT SYS EQUIPMENT AND INSTALLATION	3,000	3,000	40	345
B-1B-CROSSOVER TAXIWAY	2,400	2,400	40	348
B-1B-BLAST DEFLECTORS	1,750	1,750	40	351
B-1B-ADD TO AND ALTER VARIOUS MAINTENANCE FACILITIES	1,700	1,700	40	352A
KC-135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	780	780	35	1094
B-1B-ALTER FLIGHT SIMULATOR TRAINING FACILITY	1,100	1,100	35	355
B-1B-ALTER INTEGRATED MAINTENANCE FACILITY	550	550	40	357
B-1B-TRACTOR AND TRAILER STORAGE FACILITIES	930	930	40	357
B-1B-SECONDARY FIRE STATION	330	330	40	358
B-1B-JET ENGINE STORAGE FACILITY	430	430	40	358
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,500	1,500	90	359
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,100	4,100	35	361
ELEVATED WATER STORAGE TANK	680	680	45	1093
SECURITY IMPROVEMENTS	730	730	65	1093
BASE SUBTOTAL:	23,130	23,130		
GRIFFISS AFB, NY				363
T-9-NOISE SUPPRESSOR SUPPORT FACILITY	440	440	75	1092
SECURITY IMPROVEMENTS	1,150	1,150	35	364
BASE SUBTOTAL:	1,590	1,590		

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INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
GRISSOM AFB, IN				366
MISSION OPERATIONS FACILITY	3,000	3,000	100	367
COMBAT ARMS TRAINING/ MAINTENANCE FACILITIES	850	850	99	1087
BASE SUBTOTAL:	3,850	3,850		
HOLBROOK RBS, AZ				369
STR SITE-PURCHASE UNACCOMPANIED ENLISTED PERSONNEL HOUSING/LAND ACQ	630	630	100	1075
BASE SUBTOTAL:	630	630		
K.I. SAWYER AFB, MI				370
ADD TO AND ALTER COMBAT ARMS TRAINING/MAINTENANCE FACILITIES	740	740	65	1088
SECURITY IMPROVEMENTS	990	990	35	1089
BASE SUBTOTAL:	1,730	1,730		
LA JUNTA, CO				371
STR SITE-COMPOSITE SUPPORT FACILITIES	2,150	2,150	55	373
STR SITE-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,750	1,750	90	376
STR SITE-TECHNICAL OPERATIONS FACILITY	1,300	1,300	55	378
STR SITE-LAND ACQUISITION	260	260	N/A	380
BASE SUBTOTAL:	5,460	5,460		
LORING AFB, ME				381
ACFT PARKING APRON-HYDRANT FUELING SYSTEM W/CASS PROVISIONS-PHASE I	12,200	12,200	85	382
ALTER WEAPONS STORAGE AREA	1,300	1,300	35	385
BASE SUBTOTAL:	13,500	13,500		
MALMSTROM AFB, MT				387
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,800	3,800	35	388
BASE SUBTOTAL:	3,800	3,800		

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INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
MARCH AFB, CA				390
KC-10-HYDRANT FUELING-CENTRAL AIRCRAFT SUPPORT SYSTEM	13,600	13,600	50	391
T-9-NOISE SUPPRESSOR SUPPORT FACILITY	840	840	35	1080
AIR DIVISION HEADQUARTERS	0	2,200	95	394
BASE SUBTOTAL:	14,440	16,640		
MCCONNELL AFB, KS				397
B-1B-ALTER AIRCRAFT MAINTENANCE HANGARS	11,970	11,970	40	400
B-1B-FLIGHT SIMULATOR TRAINING FACILITY	3,660	3,660	35	403
B-1B-AIRFIELD PAVEMENT	2,740	2,740	40	405
B-1B-ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOPS	2,740	2,740	40	408
B-1B-ADD TO AND ALTER OPERATIONS MAINTENANCE FACILITIES	2,000	2,000	40	411
B-1B-MOBILTY CENTER	1,950	1,950	40	414
B-1B-ADAL AIRCRAFT MAINTENANCE MANAGEMENT FACILITY	1,900	1,900	40	416
B-1B-ADD TO AND ALTER SUPPORT EQUIPMENT AND STORAGE FACILITY	1,250	1,250	40	419
B-1B-CENTRAL AIRCRAFT SUPT SYS EQUIPMENT AND INSTALLATION	1,200	1,200	40	421
B-1B-HEAVY EQUIPMENT MAINTENANCE FACILITY	1,050	1,050	40	424
B-1B-BLAST DEFLECTORS	960	960	40	426
B-1B-ADD AND ALTER PRECISION MEASUREMENT EQUIPMENT LAB	500	500	40	426
B-1B-BASE ENGINEER MAINTENANCE MANAGEMENT FACILITY	240	240	40	427
KC135-HYDRANT FUELING SYSTEM	2,600	2,600	35	428
SECURITY IMPROVEMENTS	980	980	55	1088
BASE SUBTOTAL:	35,740	35,740		

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INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
MINOT AFB, ND				430
KC-135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	890	890	35	1094
CM-MUNITIONS UPLOAD TRAINING FACILITY	8,300	8,300	71	435
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,250	1,250	90	443
CM-ADD TO AND ALTER MUNITIONS MAINTENANCE SHOP	1,700	1,700	60	438
CM-UPGRADE WEAPONS STORAGE AREA (WSA)	2,100	2,100	60	437
CM-WEAPONS STORAGE IGLOOS	11,100	11,100	60	433
CM-UNARMED WEAPONS STORAGE FACILITY	1,100	1,100	71	440
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,650	4,650	80	445
ECIP-ALTER HEATING SYSTEMS	250	250	95	1068
CM-WEAPONS CONVOY ROADS	710	710	71	442
SECURITY IMPROVEMENTS	1,050	1,050	60	447
BASE SUBTOTAL:	33,100	33,100		
OFFUTT AFB, NE				449
STRATEGIC ANALYSIS AND APPLICATIONS CENTER	12,350	12,350	45	451
ADD TO COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	520	520	65	1090
ADD TO AND ALTER STRATEGIC COMM DIVISION HEADQUARTERS FACILITY	2,470	2,470	35	454
ECIP-FACILITY ENERGY IMPROVEMENTS	2,680	2,680	100	1068
ELECTRICAL SUBSTATION	4,450	4,450	35	456
SECURITY IMPROVEMENTS	2,500	2,500	35	458
BASE SUBTOTAL:	24,970	24,970		
PEASE AFB, NH				460
ADD TO AND ALTER COMBAT ARMS TRAINING MAINTENANCE FACILITIES	1,050	1,050	95	461
ADD TO AND ALTER AVIONICS MAINTENANCE SHOP	1,150	1,150	85	463
BASE SUBTOTAL:	2,200	2,200		

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INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
PLATTSBURGH AFB, NY				465
KC135-COCKPIT PROCEDURES TRAINER SIMULATOR FACILITY	760	760	60	1092
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,250	1,250	95	466
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	3,200	3,200	100	468
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	3,000	100	470
SECURITY IMPROVEMENTS	1,400	1,400	35	472
BASE SUBTOTAL:	9,610	9,610		
VANDENBERG AFB, CA				474
ADD TO AND ALTER OAK MOUNTAIN POWER PLANT	2,700	2,700	95	475
BASE SUBTOTAL:	2,700	2,700		
WHITEMAN AFB, MO				477
COLD STORAGE FACILITY	1,200	1,200	100	478
ALTER ELECTRICAL DISTRIBUTION SYSTEM	9,500	9,500	35	481
BASE SUBTOTAL:	10,700	10,700		
WURTSMITH AFB, MI				484
B-52-ADD TO AND ALTER ALERT AIRCRAFT PARKING AREA	2,700	2,700	30	489
B-52-ADD TO AIRCRAFT PARKING APRON	4,450	4,450	30	487
B-52-ADD TO HYDRANT REFUELING WITH CENTRAL ACFT SUPT SYSTEM	1,500	1,500	30	494
B-52-ADD TO AND ALTER ALERT CREW FACILITY	1,900	1,900	35	491
ECIP-BOILER IMPROVEMENTS	320	320	100	1067
SECURITY IMPROVEMENTS	870	870	35	1089
BASE SUBTOTAL:	11,740	11,740		
COMMAND TOTAL:	291,516	293,716		

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION BASE 18, CLASSIFIED LOCATION	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.09

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (NA)	
b INVENTORY TOTAL AS OF 30 Sept 85	
c AUTHORIZATION NOT YET IN INVENTORY	
d AUTHORIZATION REQUESTED IN THIS PROGRAM	29,970
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	27,340
f PLANNED IN NEXT THREE PROGRAM YEARS	
g REMAINING DEFICIENCY	
h GRAND TOTAL	47,310

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	KC-135 Beddown Support Facilities	LS	29,970	Aug 83	Oct 86

9. Future Projects: Included in Following Program (FY 88):

100-000	KC-135 Beddown Support Facilities - Phase II	LS	27,340

10. Mission or Major Functions: NA

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION	4 PROJECT TITLE KC-135 BEDDOWN SUPPORT FACILITIES - PHASE I

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.11.42	100-000	SGER860000	29,970

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
KC-135 BEDDOWN SUPPORT FACILITIES (PHASE I)	LS			29,970
ALTER HYDRANT REFUELING SYSTEM	LS			(8,500)
ALTER HEADQUARTERS OPERATIONS FACILITY	SF	190,400		(7,700)
ALTER AIRFIELD PAVEMENTS	LS			(6,600)
CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) PROVISIONS - PH 1	EA	11		(1,800)
ALTER FUEL SYSTEM MAINTENANCE DOCK	SF	26,500		(1,400)
INSTRUMENT LANDING SYSTEM	EA	1		(920)
RUNWAY APPROACH LIGHTS	LF	3,000		(800)
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	SF	6,540		(800)
ADD TO AND ALTER FIRE STATION	SF	4,320		(570)
APRON LIGHTING	EA	24		(390)
ALTER SUPPORT EQUIPMENT AND STORAGE FAC	SF	12,940		(280)
ALTER AVIONICS MAINTENANCE SHOP	SF	12,800		(210)
TOTAL REQUEST				29,970
(SEE NOTES, NEXT PAGE)				

10 DESCRIPTION OF PROPOSED CONSTRUCTION Modify existing buildings to provide essential facilities for the beddown of the KC-135R mission. Also expand existing buildings with reinforced conrete foundation and floor, walls and roof system, airfield pavements, lighting, utilities and a fully automatic pressurized aircraft hydrant fueling system with under apron ductwork for a Central Aircraft Support System (CASS). Includes all civil, mechanical and electrical work.

11. REQUIREMENT: As required.

PROJECT: Construct new and add to and alter existing facilties as necessary to support the beddown of a KC-135 tanker squadron at this base.

REQUIREMENT: Adequate facilities, properly sized, configured and located, to support the various operations and maintenance functions associated with the beddown of a KC-135 tanker squadron at this base.

CURRENT SITUATION: Facilities either do not exist or are not adequate to support the beddown of a KC-135 tanker squadron at this base. The base has not had a flying mission since the 1960s. Existing facilities have been used by functions and activities related to the base's current non-flying mission. Existing pavements and hydrants have deteriorated over the years and existing buildings and functions are not sized, configured or located to support a KC-135 squadron. This project will upgrade, reconfigure and relocate facilities and functions to make the maximum effective use of all existing usable facilities and provide new ones only when there are not existing facilities that can be altered or upgraded.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION		
4 PROJECT TITLE KC-135 BEDDOWN SUPPORT FACILITIES		5. PROJECT NUMBER SGER860000

IMPACT IF NOT PROVIDED: The beddown of the proposed KC-135 tanker squadron at this base cannot be accomplished in a timely manner to coincide with force structure realignments resulting from the introduction of the B-1B bomber into the strategic force.

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NEW FACILITIES OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (5.5%).

NOTE 2: THIS DD FORM 1391/1391C SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF A KC-135 TANKER SQUADRON AT THIS BASE. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391C.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION	4 PROJECT TITLE ALTER HYDRANT REFUELING SYSTEM

5 PROGRAM ELEMENT 1.11.42	6 CATEGORY CODE 121-122	7 PROJECT NUMBER SGER862500E	8 PROJECT COST ($000) 8,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER HYDRANT REFUELING SYSTEM	LS			6,870
ALTER HYDRANT REFUELING SYSTEM	LS			(6,092)
RAILROAD TRACKS	LF	3,500	140	(490)
HEATED REFUELING VEHICLE FACILITY	SF	4,800	60	(288)
SUPPORTING FACILITIES				455
SITE IMPROVEMENTS	LS			(165)
UTILITIES	LS			(150)
PAVEMENT	LS			(140)
SUBTOTAL				7,325
CONTINGENCY (10%)				732
TOTAL CONTRACT COST				8,057
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				443
TOTAL REQUEST				8,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a 2,400 gallon-per-minute (gpm) hydrant refueling system with 14 outlets; upgrade five liquid fuel pumping stations with support buildings, two truck fillstands, liquid oxygen/nitrogen facilities and rail car and tank truck unloading facilities; two new aboveground 25,000 barrel fuel storage tanks; replace railroad spur; construct refueling vehicle heated parking facility; remove abandoned underground fuel storage tanks, fuel lines and one 10,000 barrel avgas tank.

11. REQUIREMENT: As required

PROJECT: Construction of a new aircraft hydrant refueling system to service KC-135 tanker aircraft assigned to this base.

REQUIREMENT: Adequate hydrant refueling capability is required to meet the refueling demands of the KC-135 aircraft. The system must be sized to service three aircraft simultaneously to meet aircraft turnaround times in support of the worldwide contingency mission.

CURRENT SITUATION: The existing system was built in the 1950s to support KC-97 tanker aircraft. The system has been deactivated for over 20 years, is deteriorated and functionally inadequate to service KC-135 tankers. The existing railroad spur is in extremely poor condition and does not have rails designed to support modern day rail tank cars. Existing fuel storage, pumping stations, fillstands, fuel unloading facilities and refueling vehicle heated parking facilities are not capable of supporting the KC-135 tanker and must be upgraded or replaced.

IMPACT IF NOT PROVIDED: If this project is not provided, the short turnaround time required for the KC-135 aircraft to satisfy their worldwide refueling mission cannot be supported.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

BASE 18 AIR FORCE BASE, VARIOUS LOCATIONS

4. PROJECT TITLE ALTER HYDRANT REFUELING SYSTEM	5. PROJECT NUMBER SGER862500E

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 AUG 05
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 OCT 01

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	250
(b) All Other Design Costs	167
(c) Total	417
(d) Contract	325
(e) In-house	92

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION	4 PROJECT TITLE ALTER HEADQUARTERS OPERATIONS FACILITY

5 PROGRAM ELEMENT 1.11.42	6 CATEGORY CODE 610-243	7 PROJECT NUMBER SGER862562	8 PROJECT COST ($000) 7,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER HEADQUARTERS OPERATIONS FACILITY	SF	190,400	30	5,712
SUPPORTING FACILITIES				925
COMMUNICATIONS	LS			(150)
UTILITIES	LS			(495)
PAVEMENTS	LS			(115)
SITE IMPROVEMENTS	LS			(165)
SUBTOTAL				6,637
CONTINGENCY (10%)				664
TOTAL CONTRACT COST				7,301
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				402
TOTAL REQUEST				7,703
TOTAL REQUEST (ROUNDED)				7,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION All structural, mechanical and electrical work necessary to convert an existing facility for use as a headquarters operations facility. Includes upgrade of electrical, mechanical, air conditioning and plumbing systems; removal of existing power generators; installation of emergency standby power with uninterruptible power system; communications support, energy monitoring connections, exterior lighting, resurface existing parking, fallout shelter area, utilities and other necessary support.

11. REQUIREMENT: 190,400 SF ADEQUATE: 0 SUBSTANDARD: 190,400 SF

PROJECT: Alteration of an existing facility to convert it to a headquarters operations facility.

REQUIREMENT: The proposed beddown of a KC-135 tanker squadron at this base requires adequate operations, training and administrative space to support the new mission as well as existing functions and activities that must be collocated with the KC-135 mission.

CURRENT SITUATION: Existing functions currently occupy flightline facilities and must be relocated to permit these facilities to be used for KC-135 support. This project will alter existing space to provide for these requirements and free up other existing facilities for KC-135 use. This will avoid new construction which would otherwise be needed and make the most effective and efficient use of existing facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, the proposed KC-135 mission cannot be supported as there will not be adequate space to accommodate KC-135 operations, training and administrative support functions. Existing base activities will have to remain in flightline

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION		
4 PROJECT TITLE ALTER HEADQUARTERS OPERATIONS FACILITY		5 PROJECT NUMBER SGER862562

facilities that are required by the KC-135 mission. This would result in more expensive new construction to provide for these same functions and activities.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BASE 18 AIR FORCE BASE, VARIOUS LOCATIONS		
4 PROJECT TITLE ALTER HEADQUARTERS OPERATIONS FACILITY		5 PROJECT NUMBER SGER862562

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 DEC 14
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 OCT 01
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	275
(b) All Other Design Costs	256
(c) Total	531
(d) Contract	453
(e) In-house	78
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION	4 PROJECT TITLE ALTER AIRFIELD PAVEMENTS

5 PROGRAM ELEMENT 1.11.42	6 CATEGORY CODE 110-000	7 PROJECT NUMBER SGER862500D	8 PROJECT COST ($000) 6,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AIRFIELD PAVEMENTS	LS			5,094
OVERLAY RUNWAY	SY	198,000	13	(2,574)
TAXIWAYS	SY	75,000	27	(2,025)
RUNWAY ADDITION	SY	11,000	45	(495)
SUPPORTING FACILITIES				600
UTILITIES	LS			(30)
DEMOLITION	LS			(570)
SUBTOTAL				5,694
CONTINGENCY (10%)				569
TOTAL CONTRACT COST				6,263
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				344
TOTAL REQUEST				6,607
TOTAL REQUEST (ROUNDED)				6,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter and upgrade existing runways, overruns, taxiways, aircraft parking apron, power check pads and related airfield lighting. Project includes removal and replacement of deteriorated surfaces and pavement sections, resurfacing and remarking, modifications to lighting systems, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Alter and upgrade existing airfield pavements and related lighting to support a KC-135 flying mission to this base requires a functional and safe airfield on which flying operations can be performed.

CURRENT SITUATION: This base has not had a flying operation since the 1960s when KC-97 tanker aircraft were assigned. Lack of continuous use and insufficient maintenance and repair of the existing airfield pavements over the years has caused serious deterioration and environmental damage such that the airfield will not support a sustained flying mission in its current condition.

IMPACT IF NOT PROVIDED: If this project is not provided, the beddown of the proposed KC-135 tanker squadron to be assigned to this base cannot be supported. This would have an adverse impact on our strategic force distribution and worldwide refueling requirements which would be detrimental to our strategic defense and nation security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 18 AIR FORCE BASE, VARIOUS LOCATIONS		
4. PROJECT TITLE ALT AFLD PVMTS	5. PROJECT NUMBER SGER862500D	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 AUG 29
(b) Percent Complete as of January 1986	90
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 30
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	202
(b) All Other Design Costs	156
(c) Total	358
(d) Contract	181
(e) In-house	177
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION	4 PROJECT TITLE CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) PH I

5 PROGRAM ELEMENT 1.11.42	6 CATEGORY CODE 200-000	7 PROJECT NUMBER SGER872529	8 PROJECT COST ($000) 1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CENTRAL AIRCRAFT SUPPORT SYSTEM PHASE I	EA	11	142,000	1,562
SUBTOTAL				1,562
CONTINGENCY (10%)				156
TOTAL CONTRACT COST				1,718
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				94
TOTAL REQUEST				1,812
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Installation of provisions for a Central Aircraft Support System (CASS) under the aircraft parking apron to include ductwork, conducts and service lines to service eleven aircraft maintenance parking spaces, utilities and other necessary support.

11. REQUIREMENT: 11 EA ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Installation of Central Aircraft Support System (CASS) provisions under the aircraft parking apron to facilitate the installation of CASS equipment, controls and supporting utilities for eleven spaces in a future program.

REQUIREMENT: A CASS is required to provide instant start capability, special electrical power and compressed air support required by aircraft maintenance activities and to reduce the requirement for, use of and dependence on portable support equipment which is manpower and fuel intensive.

CURRENT SITUATION: The base currently does have a CASS and must rely on mobile support equipment.

IMPACT IF NOT PROVIDED: If this project is not provided, aircraft maintenance will be required to continue to rely on mobile support equipment which would have an adverse impact on the maintenance operations and turnaround times required to support our strategic worldwide refueling mission.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 18 AIR FORCE BASE, VARIOUS LOCATIONS		
4. PROJECT TITLE CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) PHASE I		5. PROJECT NUMBER SGER872529

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 DEC 31
(b)	Percent Complete as of January 1986	60
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 23

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	92
(b)	All Other Design Costs	63
(c)	Total	155
(d)	Contract	119
(e)	In-house	36

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION	4 PROJECT TITLE ALTER FUEL SYSTEM MAINTENANCE DOCK

5 PROGRAM ELEMENT 1.11.42	6 CATEGORY CODE 211-179	7 PROJECT NUMBER SGER862563	8 PROJECT COST ($000) 1,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER FUEL SYSTEM MAINTENANCE DOCK	SF	26,500	45	1,193
SUBTOTAL				1,193
CONTINGENCY (10%)				119
TOTAL CONTRACT COST				1,312
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				72
TOTAL REQUEST				1,384
TOTAL REQUEST (ROUNDED)				1,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION All structural, mechanical and electrical alterations necessary to provide a fuel system maintenance dock. Project includes aircraft fuel system maintenance and support space, fire protection, fuel storage, oil interceptors, exterior lighting, utilities and other necessary support.

11. REQUIREMENT: 26,500 SF ADEQUATE: 0 SUBSTANDARD: 26,500 SF

PROJECT: Alter an existing aircraft maintenance dock to provide an aircraft fuel system maintenance facility to support a KC-135 tanker squadron to be assigned to this base.

REQUIREMENT: Fuel system maintenance on KC-135 aircraft requires an adequate facility in which inspections, maintenance and repairs can be performed.

CURRENT SITUATION: This base currently does not have a fuel system maintenance dock. The existing facility proposed for this use was built in the 1950s to support KC-97 aircraft. It is presently being used for communications maintenance activities. These functions will relocate to the facility being altered for headquarters operations in this request. This will free up the existing nose dock for its original intended use and avoid construction of a new hangar for fuel system maintenance.

IMPACT IF NOT PROVIDED: The most effective and economical use of existing facilities and location of existing functions to more efficiently and effectively support both the KC-135 tanker mission as well as the current non-flying mission of the base will not be provided.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BASE 18 AIR FORCE BASE, VARIOUS LOCATIONS		
4 PROJECT TITLE KC-135R-ALTER FUEL SYSTEM MAINTENANCE DOCK		5 PROJECT NUMBER SGER862563

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JAN 31
	(b)	Percent Complete as of January 1986	80
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 MAY 23
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	51
	(b)	All Other Design Costs	41
	(c)	Total	92
	(d)	Contract	72
	(e)	In-house	20
(4)	Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE
3. INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION		
4. PROJECT TITLE KC-135 BEDDOWN SUPPORT FACILITIES		5. PROJECT NUMBER SGER860000

($000)

INSTRUMENT LANDING SYSTEM	SCOPE: 1 EA	COST: $920
SGER862500F	CATEGORY CODE: 134-350	
REQUIREMENT: 2 EA	ADEQUATE: 1 EA	SUBSTANDARD: 0

Construct support facilities for and the installation of a solid state instrument landing system (SSILS) on the south end of the primary runway to support the arrival of a KC-135 tanker flying mission at this base. All primary runways must be equipped with an SSILS on each end of the runway to support flight operations during periods of inclement weather. The south end of the runway does not have an SSILS. The base has not had a flying operation since the 1960's. The proposed KC-135 tanker mission being assigned to this base requires a fully operational instrument landing system be installed on the south end of the runway to support full time flying operations. If this project is not provided, safe conditions will not exist to support the KC-135 tanker mission.

RUNWAY APPROACH LIGHTS	SCOPE: 3,000 SF	COST: $800
SGER872530	CATEGORY CODE: 136-661	
REQUIREMENT: 6,300 SF	ADEQUATE: 3,000 LF	SUBSTANDARD: 0

Installation of a complete approach lighting system on the south end of the runway to include approach lights, upgrade of threshold lights on both ends of the runway, strobe beacons, and lighting vault modifications. All primary runways require an adequate functional approach lighting system and supporting facilities to provide for safe aircraft flight operations. The south end of the existing runway does not have aproach lights or strobe beacons and the threshold lights at both ends of the runway must be upgraded and modernized. The base has not had a flying mission since the 1960s and the assignment of a KC-135 tanker squadron to this base necessitates installation, upgrade and reconfiguration of the present lighting system. The runway must be capable of supporting the KC-135 world-wide refueling mission which requires both runways to be fully operational for all types of weather conditions. If this project is not provided, safe aircraft flying operations cannot be performed which would subject both the aircraft and crews to unneccessary danger.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION		
4. PROJECT TITLE KC-135 BEDDOWN SUPPORT FACILITIES		5. PROJECT NUMBER SGER860000

ADD TO AND ALTER VEHICLE MAINTENANCE SHOP SCOPE: 6,540 SF COST: $800
SGER862500C CATEGORY CODE: 214-425

REQUIREMENT: 28,360 SF ADEQUATE: 21,820 SF SUBSTANDARD: 1,000 SF

Add to and alter the vehicle maintenance shop to provide adequate space to support the increase in vehicles required to support the KC-135 tanker squadron being assigned to this base. Project will include multiple maintenance stalls for chasis repairs, engine tune-up, lubrication, tire repairs and minor vehicle maintenance and storage for oil, lubricant and tires. Energy saving features, controls, and applications, communications support, fire protection and alarm systems, pavements, and utilities will also be included. Adequate space, properly sized and configured, is required to effectively and efficiently maintain, adjust and repair various vehicles and equipment associated with the KC-135 mission beddown. This base has not had a flying mission since the 1960s and the existing facilities are sized to handle only those vehicles and equipment required by the current non-flying mission. The introduction of the KC-135 mission will increase the number of vehicles that must be supported and maintained which requires enlarging and upgrading of the existing vehicle maintenance facilities. If this project is not provided, adequate maintenance cannot be given the vehicle fleet required to support the KC-135 mission.

ADD TO AND ALTER FIRE STATION SCOPE: 4,320 SF COST: $570
SGER862500B CATEGORY CODE: 130-142

REQUIREMENT: 17,160 SF ADEQUATE: 12,840 SF SUBSTANDARD: 720 SF

Add to and alter the existing fire station to provide additional space for a drive-thru stall capability to accommodate a P-15 fire fighting vehicle needed to support a KC-135 tanker squadron. Project will include three drive-thru stalls for the P-15 and two existing fire fighting vehicles which are currently parked outside, a physical conditioning area, access pavements and parking and utilities. An adequate fire staion is required to provide space for fire protection equipment and physical conditioning and support areas for fire fighting personnel. If this project is not provided, there will not be a drive-thru capability for the P-15 fire truck and existing fire fighting equipment as well as the P-15 will have to be parked outside.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION		
4. PROJECT TITLE KC-135 BEDDOWN SUPPORT FACILITIES		5. PROJECT NUMBER SGER860000

APRON LIGHTING SCOPE: 24 EA COST: $390
SGER872542 CATEGORY CODE: 812-926

REQUIREMENT: 24 EA ADEQUATE: 0 SUBSTANDARD: 0

Install aircraft maintenance area lighting on the aircraft parking apron in support of the KC-135 tanker squadron being assigned to this base. The performance of aircraft maintenance on the apron requires sufficient light to provide safe work environment during periods of darkness. There is no permanent apron lighting in the existing aircraft maintenance apron areas. This base has not had a flying mission since the 1960's and, as a result, the only available lighting is from mobile lighting equipment. This does not provide sufficient lighting levels for safe, effective performance of aircraft maintenance. If this project is not provided, aircraft maintenance activities will have to continue to rely on mobile lighting equipment which will subject aircraft and maintenance personnel to a continued unsafe and inefficient working environment during periods of darkness.

ALTER SUPPORT EQUIPMENT
AND STORAGE FACILITY SCOPE: 12,940 SF COST: $280
SGER862500A CATEGORY CODE: 218-712

REQUIREMENT: 12,940 SF ADEQUATE: 0 SUBSTANDARD: 12,940 SF

Alter the existing support equipment (SE) maintenance and storage shop to support a KC-135 tanker refueling mission assigned to this base. SE maintenance and storage requires adequate space in which inspection, maintenance and repair of this equipment can be accomplished in an environment not subject to the extreme elements and inclement weather. This base has not had a flying mission since the 1960s and as a result, the existing SE facility is not capable of accommodating the increased SE requirement generated by the KC-135 tanker mission. This facility is currently occupied by communications work centers in support of the current non-flying mission. This function will be relocated to another facility being altered in this program to provide a headquarters operations facility. If this project is not provided, SE maintenance and storage functions will not have adequate space in which to operate and will be detrimental to the beddown of the KC-135 tanker mission.

1 COMPONENT AIR FORCE	FY 19_87_ MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BASE 18: CLASSIFIED LOCATION		
4. PROJECT TITLE KC-135 BEDDOWN SUPPORT FACILITIES		5. PROJECT NUMBER SGER860000

ALTER AVIONICS
MAINTENANCE SHOP — SCOPE: 12,800 SF — COST: $210
SGER862500H — CATEGORY CODE: 217-712

REQUIREMENT: 12,800 SF ADEQUATE: 0 SUBSTANDARD: 12,800 SF

Alter the existing avionics maintenance shop to upgrade it to support the KC-135 tanker squadron assigned to this base. The project will include electrical, mechanical and structural modifications to provide an adequate modern avionics facility. Fire protection and life safety systems, energy saving features and applications, pavements, communications support, and utilities will also be provided. The electronic, navigation, security and communications systems associated with the KC-135 aircraft requires a modern up-to-date avionics shop in which maintenance, inspection and repair of these systems can be accomplished. The existing facility was built in the 1960s to support the flying mission on base at that time. The base has not had a flying mission since the late 1960s and, as a result, the existing avionics shop is not capable of handling the modern systems associated with the KC-135 tanker aircraft. If this project is not provided, adequate avionics maintenance support will not be available for the KC-135 aircraft.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION BASE 43, CLASSIFIED LOCATION	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 0.98

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85 b. END FY 19 91						-				

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (NA)	
b INVENTORY TOTAL AS OF 30 Sept 85	
c AUTHORIZATION NOT YET IN INVENTORY	
d AUTHORIZATION REQUESTED IN THIS PROGRAM	5,500
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,950
f PLANNED IN NEXT THREE PROGRAM YEARS	
g REMAINING DEFICIENCY	
h GRAND TOTAL	13,450

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-000	STC-Range Control and Operations Facility	LS	5,500	Jul 85	Aug 86

9. Future Projects: Included in Following Program (FY 88):

200-000	STC-CAMS Facility	LS	3,500
724-417	STC-Visiting Officers Quarters	48 PN	4,400
	Total		7,950

10. Mission or Major Functions: NA

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 43: CLASSIFIED LOCATION	4 PROJECT TITLE STRATEGIC TRAINING CENTER (STC) RANGE CONTROL AND OPERATIONS FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	100-000	SGER872546	5,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC TRAINING CENTER (STC)				
RANGE CONTROL AND OPERATIONS FACILITY	LS			4,495
STRATEGIC TRAINING CENTER	SF	40,000	90	(3,680)
SHIELDING	LS			(815)
SUPPORTING FACILITIES				470
COMMUNICATIONS	LS			(120)
UTILITIES	LS			(220)
PAVEMENTS	LS			(55)
SITE IMPROVEMENTS	LS			(75)
SUBTOTAL				4,965
CONTINGENCY (5%)				248
TOTAL CONTRACT COST				5,213
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				287
TOTAL REQUEST				5,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of a concrete floor slab and foundation, masonry block walls, and pitched roof. Areas include operations room, administration, TEMPEST shielded room, latrines, storage, and mechanical rooms. Provide paved parking and all necessary utilities. Air Conditioning: 20 Tons.

11. REQUIREMENT: 40,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a range control and operations facility to accommodate the strategic training center (STC) being located on this base in support of the strategic training range complex (STRC).

REQUIREMENT: Adequate space, properly sized, configured and located, is required to provide a centralized data collection, mission planning, post-flight mission reconstruction, graphics for aircrew briefing and debriefing, tactics development and administrative support facility for bomber aircrews using the STRC. The STC will provide performance assessment for these aircrews by a specialized operations staff.

CURRENT SITUATION: There is currently no centralized data collection facility and computer generated graphics display capability to assess the performance of bomber aircrews using the STRC. The STRC, consisting of six fixed sites in a 500 x 500 mile area in Montana, Wyoming and North and South Dakota, will have range equipment capable of simulating enemy electronic threats and score simulated weapons delivery by attacking bomber crews. The STRC provides challenging training scenarios which will duplicate wartime conditions.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

BASE 43 - CLASSIFIED LOCATION

4 PROJECT TITLE STRATEGIC TRAINING CENTER (STC) RANGE CONTROL AND OPERATIONS FACILITY	5 PROJECT NUMBER SGER872546

IMPACT IF NOT PROVIDED: A centralized facility which employs computerized graphics and mission reconstruction and critique, under the direction of a dedicated operations staff, will not be available to evaluate the performance of bomber aircrews using the STRC. This would have an adverse impact on our strategic defense, retaliatory capability and national security.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BASE 43		
4 PROJECT TITLE STRATEGIC TRAINING CENTER (STC)- RANGE CONTROL AND OPERATIONS CENTER		5 PROJECT NUMBER SGER872546

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 JUL 16
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 20
(2) Basis	
(a) Standard or Definitive Design -	Yes No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	281
(b) All Other Design Costs	0
(c) Total	281
(d) Contract	225
(e) In-house	56
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.28

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	590	3,751	526	0	0	0	0	0	0	4,867
b. END FY 19 91	588	3,870	563	0	0	0	0	0	0	5,021

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (22,944)	
b. INVENTORY TOTAL AS OF 30 Sept 85	161,170
c. AUTHORIZATION NOT YET IN INVENTORY	6,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,516
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,090
f. PLANNED IN NEXT THREE PROGRAM YEARS	11,634
g. REMAINING DEFICIENCY	84,640
h. GRAND TOTAL	284,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-181	U-2 Aircraft Shelter and Apron		LS	3,516	Sep 85	Jun 86
141-181	TR-1 Aircraft Shelter and Apron		LS	4,000	Feb 85	Apr 86
171-212	KC-135 CPT Simulator Facility	3,500	SF	890	Jul 85	Apr 86
211-183	T-9 Noise Suppressor Support Facility		LS	710	Sep 85	Jul 86
872-247	Security Improvements		LS	400	Jan 85	May 86
	Total			9,516		

9. Future Projects: (a) Included in Following Program (FY 88):

211-193	Sound Suppressor Support Facility		LS	790
721-312	Unaccompanied Enlisted Personnel Housing	500	PN	9,300
				10,090

(b) Typical Planned Next Three Years:

740-675	Library	10,500	SF	1,500
831-165	Alter Sewage Treatment Facility		LS	600
872-841	Security Improvements		LS	1,500

10. Mission or Major Functions: Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a strategic reconnaissance operational wing including a SR-71 squadron and a U-2 and TR-1 squadron performing worldwide strategic reconnaissance; and a heavy air refueling operational wing consisting of two KC-135 squadrons supporting reconnaissance aircraft tanker requirements.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution	0
b.	Water pollution:	600
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE U-2R AIRCRAFT SHELTER AND APRON

5 PROGRAM ELEMENT 1.18.96 - 2,549 3.59.99 - 967 NFIP	6 CATEGORY CODE 141-181	7 PROJECT NUMBER SGER851003	8 PROJECT COST ($000) 3,516

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
U-2R SHELTER AND APRON	LS			2,426
AIRCRAFT SHELTER	SF	21,000	76	(1,596)
APRON	SY	10,000	83	(830)
SUPPORTING FACILITIES				748
COMMUNICATIONS	LS			(20)
UTILITIES	LS			(498)
PAVEMENTS	LS			(85)
SITE IMPROVEMENTS	LS			(145)
SUBTOTAL				3,174
CONTINGENCY (5%)				159
TOTAL CONTRACT COST				3,333
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				183
TOTAL REQUEST				3,516

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, pre-engineered metal construction with new operational apron pavement with electrical, fire suppression and engine start systems, earthwork and site improvements. Includes area and perimeter lighting, security fencing, blast deflectors, utilities and all necessary support.

11. REQUIREMENT: 4 EA ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct one shelter and associated aircraft parking apron to house two U-2R reconnaissance aircraft.

REQUIREMENT: Adequate covered space to protect the U-2R reconnaissance aircraft assigned to this base. These aircraft must be parked inside to protect sensitive components and electronic equipment from inclement weather, condensation, foreign matter and extreme temperature.

CURRENT SITUATION: There are no existing shelters to accommodate the U-2R. This project will provide space for two U-2R aircraft and associated parking apron necessary for taxiing, parking and manuevering of the aircraft. Existing maintenance facilities are dedicated to KC-135 and other aircraft maintenance and therefore cannot be used for sheltering the U-2R. Existing SR-71 and TR-1 aircraft shelters are dedicated to the SR-71 and TR-1 and as a result cannot be used for the U-2R. Without this project, the U-2R aircraft will have to be parked outside where inclement weather causes moisture to enter the aircraft, which creates icing at high altitudes. Icing is damaging to the airframe and sensor components and causes numerous maintenance problems which may lead to airborne malfunctions. The extreme heat in summer causes wiring and neoprene or plastic to deteriorate prematurely.

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE U-2R AIRCRAFT SHELTER AND APRON		5. PROJECT NUMBER SGER851003

IMPACT IF NOT PROVIDED: The U-2R aircraft will have to be parked outside which will subject them to the harsh extremes of temperature and weather. This could have an adverse impact on maintenance capability which would have a serious detrimental effect on the reconnaissance mission of the base.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE U-2R AIRCRAFT SHELTER AND APRON		5 PROJECT NUMBER SGER851003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 SEP 26
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 21

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - BEALE

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	166
(b) All Other Design Costs	20
(c) Total	186
(d) Contract	0
(e) In-house	186

(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
BEALE AIR FORCE BASE, CALIFORNIA	TR-1 AIRCRAFT SHELTER AND APRON

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.72.15	141-181	BAEY861007	4,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TR-1 AIRCRAFT SHELTER AND APRON	LS			2,619
AIRCRAFT SHELTER	SF	21,900	76	(1,664)
APRONS	SY	11,500	83	(955)
SUPPORTING FACILITIES				975
COMMUNICATIONS	LS			(20)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(455)
UTILITIES	LS			(215)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(210)
SUBTOTAL				3,594
CONTINGENCY (5%)				180
TOTAL CONTRACT COST				3,774
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				208
TOTAL REQUEST				3,982
TOTAL REQUEST (ROUNDED)				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and slab, pre-engineered metal construction with operational apron pavement with electrical, fire suppression and engine start systems, earthwork and site improvements. Includes area and perimeter lighting, security fencing, blast deflectors and all necessary utilities.

11. REQUIREMENT: 8 EA ADEQUATE: 6 EA SUBSTANDARD: 0

PROJECT: Construct one shelter and associated aircraft parking apron to house two TR-1 reconnaissance aircraft.

REQUIREMENT: Adequate covered space to protect the TR-1 reconnaissance aircraft assigned to this base. These aircraft must be parked inside to protect sensitive components and electronic equipment from inclement weather, condensation, foreign matter and extreme temperatures. This facility will provide shelter for performing maintenance, inspections and tests on aircraft.

CURRENT SITUATION: There are four shelters capable of accommodating the TR-1, half the number required to house present and projected aircraft. Two TR-1 shelter spaces with associated apron are programmed in the FY 86 MCP. This project will provide space for two additional TR-1 aircraft and the associated parking apron necessary for taxiing, parking and maneuvering of the aircraft. Existing maintenance facilities are dedicated to KC-135 and other aircraft maintenance and therefore cannot be used for sheltering the TR-1. Existing SR-71 aircraft shelters are dedicated to the SR-71 and as a result cannot be used for the TR-1. Without this project, some TR-1 aircraft will have to be parked outside where inclement weather causes moisture to enter the aircraft. This

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE TR-1 AIRCRAFT SHELTER AND APRON		5. PROJECT NUMBER BAEY861007

creates icing at high altitudes affecting the airframe, controls and sensor components, in turn causing numerous maintenance problems and airborne malfunctions. A similar aircraft was nearly lost when freezing water jammed the elevator controls during a flight. The extreme heat in summer causes wiring and neoprene or plastic to deteriorate prematurely. In addition, advanced systems planned for the TR-1 in the near future will also require aircraft to be sheltered for maintenance and preflight checkouts.

IMPACT IF NOT PROVIDED: The TR-1 aircraft will have to be parked outside subjecting them to harsh extremes of temperature and weather. This could have an adverse impact on maintenance capability which would have a detrimental effect on the reconnaissance mission of the base.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

BEALE AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE TR-1 AIRCRAFT SHELTER AND APRON	5. PROJECT NUMBER BAEY861007

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 FEB 22
(b) Percent Complete as of January 1986	55
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 21

(2) Basis
- (a) Standard or Definitive Design - Yes X No
- (b) Where Design Was Most Recently Used - BEALE

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	240
(b) All Other Design Costs	78
(c) Total	318
(d) Contract	0
(e) In-house	318
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2 DATE

3 INSTALLATION AND LOCATION
BLYTHEVILLE AIR FORCE BASE, ARKANSAS

4 COMMAND
STRATEGIC AIR COMMAND

5 AREA CONSTR COST INDEX
0.89

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	381	2,501	312	0	0	0	0	0	0	3,194
b. END FY 19 91	406	2,582	317	0	0	0	0	0	0	3,305

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,741)	
b. INVENTORY TOTAL AS OF 30 Sept 85	81,830
c. AUTHORIZATION NOT YET IN INVENTORY	5,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,410
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,340
f. PLANNED IN NEXT THREE PROGRAM YEARS	35,350
g. REMAINING DEFICIENCY	39,820
h. GRAND TOTAL	169,000

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
112-211	Alter Taxiways	LS	2,000	Aug 85	May 86
121-111	Petroleum Operations Facility	3,600 SF	540	Jan 85	Jun 86
171-712	Add to and Alter Target Intelligence Facility	4,470 SF	820	Aug 85	May 86
872-248	Security Improvements	42,100 LF	1,050	Jun 85	Jun 86
	Total		4,410		

9. Future Projects: (a) Planned in Following Program (FY 88):

211-183	T-9 Noise Suppressor Support Facility	LS	790
730-772	Add to and Alter Religious Education Facility	17,150 SF	1,550
		Total	2,340

(b) Typical Planned Next Three Years:

149-962	Aircraft Control Tower	1 EA	1,950
219-000	Base Civil Engineer Complex	52,240 SF	5,200
510-000	Add to and Alter Composite Medical Facility	113,540 SF	24,900

10. Mission or Major Functions: Active mission support activities including an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a heavy bombardment operational wing including a B-52 squadron and a KC-135 squadron which maintain a bomber and tanker alert force.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	700
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BLYTHEVILLE AIR FORCE BASE, ARKANSAS	4 PROJECT TITLE ALTER TAXIWAYS

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 112-211	7 PROJECT NUMBER BWKR880093	8 PROJECT COST ($000) 2,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER TAXIWAYS	LS			1,174
TAXIWAY E	SY	7,800	128	(998)
TAXIWAY B	SY	1,400	126	(176)
SUPPORTING FACILITIES				550
UTILITIES	LS			(20)
SITE IMPROVEMENTS	LS			(85)
TAXIWAY SHOULDERS	LS			(360)
TAXIWAY LIGHTS	LS			(85)
SUBTOTAL				1,724
CONTINGENCY (10%)				172
TOTAL CONTRACT COST				1,896
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				104
TOTAL REQUEST				2,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter and upgrade two taxiways to include widening, new shoulders, overlay taxiways and relocation of taxiway lights.

11. REQUIREMENT: As required.

PROJECT: Alter and upgrade two existing taxiways to accommodate aircraft movements to and from the runway and the aircraft parking apron.

REQUIREMENT: Adequate taxiways with proper strength and lighting to facilitate movement of aircraft to and from the runway and parking apron, increase safety of aircraft operations, reduce taxiing time with accompanying fuel savings and provide flexibility in aircraft operations during wartime emergencies and daily exercises.

CURRENT SITUATION: The existing taxiways lack sufficient width and thickness to support sustained bomber and tanker operations. They lack proper lighting for night time operations and do not have paved shoulders necessary to prevent foreign object damage from debris blown onto the taxiways from jet blasts.

IMPACT IF NOT PROVIDED: Daily operations as well as emergency and wartime exercises will continue to be performed under conditions which are potentially unsafe, time consuming, inefficient and do not provide the flexibility necessary for aircraft movements. This could have an adverse impact of the base mission which would be detrimental to national security.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BLYTHEVILLE AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE ALTER TAXIWAYS		5. PROJECT NUMBER BWKR880093

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 AUG 12
	(b) Percent Complete as of January 1986	55
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 28
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	104
	(b) All Other Design Costs	0
	(c) Total	104
	(d) Contract	65
	(e) In-house	39
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BLYTHEVILLE AIR FORCE BASE, ARKANSAS	4 PROJECT TITLE SECURITY IMPROVEMENTS

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 872-248	7 PROJECT NUMBER BWKR872574	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LF	42,100	15	632
SUPPORTING FACILITIES				315
SITE IMPROVEMENTS	LS			(30)
CONCRETE SECURITY STRIP	LS			(285)
SUBTOTAL				947
CONTINGENCY (5%)				47
TOTAL CONTRACT COST				994
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				55
TOTAL REQUEST				1,049
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of a seven foot high security fence with three strand barbed wire on outriggers, around the flightline area on a concrete security strip (full length).

11. REQUIREMENT: As required.

PROJECT: Construct security improvements to provide a physical and legal line of demarcation for unauthoried personnel and vehicles.

REQUIREMENT: Security improvements are required to provide the essential minimum protection for the flightline and industrial complexes and other critical support areas to counter threats of violence to direct mission related resources and possible disruption of the base mission.

CURRENT SITUATION: Existing security measures in and around the flightline and industrial complexes as well as other critical support areas and facilites do not exist or are minimal. There is no finite line of demarcation that limits access in certain areas and facilities on the base. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base.

IMPACT IF NOT PROVIDED: Lack of these security improvements subjects aircraft, sensitive components, high value equipment and key support facilities to easy access which could result in damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission which would be detrimental to national security.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BLYTHEVILLE AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE SECURITY IMPROVEMENTS		5. PROJECT NUMBER BWKR872574

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a) Date Design Started		85 JUN 03
	(b) Percent Complete as of January 1986		55
	(c) Percent Complete as of October 1986		100
	(d) Date Design Complete		86 JUN 02
(2)	Basis		
	(a) Standard or Definitive Design -	Yes	No X
	(b) Where Design Was Most Recently Used - N/A		
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a) Production of Plans and Specifications		66
	(b) All Other Design Costs		0
	(c) Total		66
	(d) Contract		50
	(e) In-house		16
(4)	Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
CARSWELL AIR FORCE BASE, TEXAS	STRATEGIC AIR COMMAND	0.93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	821	4,051	930	0	0	0	0	0	0	5,303
b. END FY 19 91	814	4,274	950	0	0	0	0	0	0	6,038

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,264)	
b. INVENTORY TOTAL AS OF 30 Sept 85	203,410
c. AUTHORIZATION NOT YET IN INVENTORY	3,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	490
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	18,950
g. REMAINING DEFICIENCY	80,150
h. GRAND TOTAL	328,500

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
123-335	Vehicle Fueling Station	LS	490	Mar 85	Apr 86

9. Future Projects: (a) Included in Following Program (FY 88):

121-111	Petroleum Operations Facility	1,900 SF	400
721-312	Alter Unaccompanied Enlisted Personnel	284 PN	2,900
	Total		3,300

(b) Typical Planned Next Three Years:

149-962	Aircraft Maintenance Facility	132,000 SF	1,700
211-173	Aircraft Control Tower	1 EA	2,200
610-287	Strategic Training Squadron Complex	67,840 SF	8,200

10. Mission or Major Functions: Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a heavy bombardment operational wing including two B-52 squadrons and one KC-135 squadron which maintain a bomber and tanker alert force and performs combat crew training in the B-52; and an Air Force Reserve F-4 tenant tactical fighter wing which performs training to maintain combat readiness.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION CASTLE AIR FORCE BASE, CALIFORNIA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.13

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,337	4,314	415	0	0	0	0	0	0	6,066
b. END FY 1991	1,257	4,366	319	0	0	0	0	0	0	6,022

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,257)	
b. INVENTORY TOTAL AS OF 30 Sept 85	132,430
c. AUTHORIZATION NOT YET IN INVENTORY	2,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,630
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	15,080
g. REMAINING DEFICIENCY	67,460
h. GRAND TOTAL	228,000

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-183	T-9 Noise Suppressor Support Facility	LS	830	Sep 85	Feb 86
218-852	Survival Equipment Shop	LS	1,800	Aug 83	Oct 85
	Total		2,630		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Unaccompanied Enlisted Personnel Housing	500 PN	8,400

(b) Typical Planned Next Three Years:

121-111	POL Operations Facility	2,250 SF	390
214-467	Refueling Vehicle Maintenance Shop	3,600 SF	680
812-926	Apron Lighting	LS	500
872-247	Security Improvements	LS	1,200

10. Mission or Major Function: Active mission support activities include a heavy bombardment operational wing including a B-52 squadron which performs combat crew training, and two KC-135 squadrons, one which performs combat crew training and one which maintains an alert force.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	4,200
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CASTLE AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE SURVIVAL EQUIPMENT SHOP

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 218-852	7 PROJECT NUMBER DESR850801	8 PROJECT COST ($000) 1,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURVIVAL EQUIPMENT SHOP	LS			1,054
SURVIVAL EQUIPMENT SHOP	SF	11,200	79	(884)
TOWER (PARACHUTE DRYING)	LS			(170)
SUPPORTING FACILITIES				560
COMMUNICATIONS	LS			(30)
UTILITIES	LS			(160)
PAVEMENTS	LS			(20)
SITE IMPROVEMENTS	LS			(120)
LOADING DOCK	LS			(115)
BUILT-IN EQUIPMENT	LS			(115)
SUBTOTAL				1,614
CONTINGENCY (5%)				81
TOTAL CONTRACT COST				1,695
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				93
TOTAL REQUEST				1,788
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and slab, masonry walls and built-up roof. Includes parachute inspection and folding room, parachute washing, drying tower and all necessary utilities. Air Conditioning: 1 Ton

11. REQUIREMENT: 11,200 SF ADEQUATE: 0 SUBSTANDARD: 7,733 SF

PROJECT: Construct a new survival equipment shop.

REQUIREMENT: Adequate space, properly sized and configured, is required to accommodate the inspection, repair and storage of parachutes, survival kits and related equipment associated with the safety of flight crews.

CURRENT SITUATION: Survival equipment shop functions and activities are currently housed in a substandard, wood-frame building over 40 years old. The facility is deteriorated beyond economical repair and cannot be expanded or upgraded. It is too small and does not have adequate fire protection or environmental control for performing proper survival equipment maintenance and storage. The existing parachute drying tower will accommodate only one-half of the daily parachute usage. There is insufficient space for sewing operations which necessitates raft repair and drag chute operations to be combined in the same area resulting in a work backlog. In addition, personnel parachute repack time requires approximately four times that which is normally required due to the crowded, inefficient conditions.

IMPACT IF NOT PROVIDED: The maintenance, repair and storage of survival equipment will continue to be hampered by the crowded and deteriorated conditions. This could be detrimental to flight crew safety.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CASTLE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE SURVIVAL EQUIPMENT SHOP		5. PROJECT NUMBER DESR850801

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 AUG 29
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 OCT 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	112
(b) All Other Design Costs	47
(c) Total	159
(d) Contract	135
(e) In-house	24

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT		2. DATE
AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
DYESS AIR FORCE BASE, TEXAS	STRATEGIC AIR COMMAND	0.94

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	752	4,117	436	0	0	0	0	0	0	5,305
b. END FY 1991	1,053	5,003	453	0	0	0	0	0	0	6,509

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,121)	
b. INVENTORY TOTAL AS OF 30 Sept 85	169,400
c. AUTHORIZATION NOT YET IN INVENTORY	16,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,130
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,920
f. PLANNED IN NEXT THREE PROGRAM YEARS	26,380
g. REMAINING DEFICIENCY	41,220
h. GRAND TOTAL	265,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179-475	Combat Arms Training and Maintenance Facilities	2,300	LS	960	May 85	May 86
211-183	T-9 Noise Suppressor Support Facility		LS	780	May 85	Mar 86
214-426	B-1B Munitions Equipment Storage Facilities		LS	1,050	Jul 85	Sep 86
442-758	B-1B Jet Engine Storage Facility	9,000	SF	590	May 85	May 86
872-247	Security Improvements		LS	750	May 85	Apr 86
	Total			4,130		

9. Future Projects: (a) Included in Following Program (FY 88):

149-962	Aircraft Control Tower	1	EA	2,150
211-159	Aircraft Corrosion Control Facility	23,800	SF	4,400
831-157	Add to and Alter Oil/Water Separators		LS	370
	Total			6,920
	(b) Typical Planned Next Three Years:			
218-712	Support Equipment Shop	20,000	SF	750
610-249	Wing Headquarters Facility	9,000	SF	1,250

10. Mission or Major Functions: Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a heavy bombardment operational wing including two B-1B squadrons, one which performs combat crew training and one which will maintain an alert force; a KC-135 operational squadron which maintains a tanker alert force; and a Military Airlift Command operational tenant tactical airlift wing consisting of three C-130 squadrons.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	370
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS	4 PROJECT TITLE B-1B MUNITIONS EQUIPMENT STORAGE FACILITIES

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 214-426	7 PROJECT NUMBER FNWZ8725J1	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B MUNITIONS EQUIPMENT STORAGE FACILITIES	LS			575
MUNITIONS EQUIPMENT STORAGE FACILITY	SF	13,000	41	(533)
PAINT STORAGE FACILITY	SF	500	84	(42)
SUPPORTING FACILITIES				360
UTILITIES	LS			(50)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(190)
SUBTOTAL				935
CONTINGENCY (5%)				47
TOTAL CONTRACT COST				982
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				54
TOTAL REQUEST				1,036
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and floor slabs, pre-engineered metal buildings, masonry walls and metal roof, utilities and other necessary support to provide for a design/construct proposal.

11. REQUIREMENT: 13,500 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct munitions equipment storage facilities in support of the B-1B beddown. Design of project to be accomplished by construction contractor. Design to be funded from regular design funds.

REQUIREMENT: Adequate facilities, properly sized, configured and located, in which to store munitions support equipment and hazardous materials associated with the beddown of the B-1B bomber at this base.

CURRENT SITUATION: There are no existing facilities available which can accommodate the storage of large expensive Munitions Load Trailers (MLT), Weapons Load Trainers (WLT), hazardous materials, lift trailers, bomb handling cradles, launchers and clip-ins. Dyess will receive 32 MLTs costing $1.2 million each and an indeterminate quantity of WLTs and other support equipment, all of which are mission essential and require protection from the elements. Existing facilities will be fully utilized by aircraft support equipment and other related B-1B functions and activities.

IMPACT IF NOT PROVIDED: Without this project, equipment will have to be stored outside which subjects it to excessive corrosion and deterioration. This could result in increased equipment failure, adversely impacting mission capability, which would be detrimental to national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
DYESS AIR FORCE BASE, TEXAS

4. PROJECT TITLE B-1B MUNITIONS EQUIPMENT STORAGE FACILITIES	5. PROJECT NUMBER FNWZ872501

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 03
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	102
	(b) All Other Design Costs	0
	(c) Total	102
	(d) Contract	62
	(e) In-house	40
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 0.98

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	903	5,048	585	0	0	0	0	0	0	6,536
b. END FY 19 91	1000	5,872	592	0	0	0	0	0	0	7,464

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,925)	
b. INVENTORY TOTAL AS OF 30 Sept 85	248,300
c. AUTHORIZATION NOT YET IN INVENTORY	70,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,410
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,100
f. PLANNED IN NEXT THREE PROGRAM YEARS	11,800
g. REMAINING DEFICIENCY	52,890
h. GRAND TOTAL	394,800

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-453	Life Support Facility	7,800	SF	950	Dec 84	Apr 86
149-962	Control Tower	1	EA	2,150	Feb 85	Jun 86
179-475	Combat Arms Training and Maintenance Facilities		SF	1,000	Jun 85	Aug 86
442-758	B-1B-Add to WRSK Storage Facility	15,000	SF	860	Apr 85	Sep 86
872-247	Security Improvements		LS	450	Jul 85	Mar 86
	Total			5,410		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Unaccompanied Enlisted Personnel Housing	500	PN	6,100

(b) Typical Planned Next Three Years:

130-142	Add to and Alter Fire Station	9,400	SF	550
141-459	Bomber Alert Facility	37,250	SF	4,300
740-459	Family Visitation Center	5,000	SF	520
872-240	Alert Taxiway Barrier	1	EA	1,780

10. Mission or Major Functions: Active mission support activities include a heavy bombardment operational wing including a B-52 squadron, a KC-135 squadron, and an EC-135 airborne command and control squadron which all maintain an alert force; an operational Minutemen intercontinental ballistic missile wing, a aerospace rescue and recovery squadron; and the second B-1B location (2 operational squadrons).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA		4 PROJECT TITLE CONTROL TOWER	
5 PROGRAM ELEMENT 3.51.14	6 CATEGORY CODE 149-962	7 PROJECT NUMBER FXBM870014	8 PROJECT COST ($000) 2,150

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONTROL TOWER	EA	1	1.02M	1,020
SUPPORTING FACILITIES	LS			880
ELECTRICAL	LS			(595)
WATER AND SEWER	LS			(170)
SITE IMPROVEMENTS	LS			(10)
PAVEMENTS	LS			(105)
SUBTOTAL				1,951
CONTINGENCY (5%)				98
TOTAL CONTRACT COST				2,049
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				113
TOTAL REQUEST				2,162
TOTAL REQUEST (ROUNDED)				2,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, floor slabs and walls, control cab with double pane glass and elevator. Area includes control cab, equipment room, office, training/brief room, generator and mechanical equipment room, toilet, utilities and other necessary support. Air Conditioning - 20 Tons.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a new control tower.

REQUIREMENT: An aircraft control tower properly sited, of proper height and configuration, is required to provide air traffic controllers a clear view of the runway and ground traffic patterns. To satisfy the clear view requirement at this field, the tower must be 71 feet high to the base of the cab.

CURRENT SITUATION: The existing control tower is situated near a hangar which obstructs the view of the air traffic flight patterns and does not permit a clear view of the complete airfield to monitor ground traffic. The cab of the existing tower is oriented such that all air traffic patterns are flown behind the controllers. The air traffic flight pattern cannot be altered to provide a clear view for the controllers due to the conflicting air traffic pattern for the Rapid City, South Dakota commercial airport. The existing control tower will be converted to use as a control center for the fire department.

IMPACT IF NOT PROVIDED: Failure to replace this control tower will increase the potential for flying safety hazards and could result in an aircraft mishap. Operations will continue with the air traffic controllers handicapped by the existing tower layout and orientation.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA		
4 PROJECT TITLE CONTROL TOWER		5 PROJECT NUMBER FXBM870014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 22
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUN 26

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	180
(b)	All Other Design Costs	0
(c)	Total	180
(d)	Contract	155
(e)	In-house	25

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION F.E. WARREN AIR FORCE BASE, WYOMING	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.10

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	600	3,027	592	0	0	0	0	0	0	4,219
b. END FY 19 91	630	3,291	645	0	0	0	0	0	0	4,566

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,694)	
b. INVENTORY TOTAL AS OF 30 Sept 85	198,600
c. AUTHORIZATION NOT YET IN INVENTORY	57,050
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	23,050
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	32,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,300
g. REMAINING DEFICIENCY	24,750
h. GRAND TOTAL	337,500

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
149-512	Peacekeeper Launch Facilities Site Work	16 EA	5,000	Jul 84	Jan 86
179-475	Combat Arms Training and Maintenance Facilities	3,200 SF	550	Jun 85	Aug 86
800-000	Peacekeeper Add to and Alter Energy Monitoring and Control System	LS	2,600	Jun 85	Aug 86
851-147	Peacekeeper Access Roads	LS	14,500	Jan 84	Sep 85
921-177	Peacekeeper Real Estate	LS	400	May 85	Sep 85
	Total		23,050		

9. Future Projects: Included in Following Program (FY 88):

100-000	Peacekeeper Launch Facilities Site Work	20 EA	3,650
100-000	Peacekeeper Facility Reserve	LS	16,200
721-312	Alter Unaccompanied Enlisted Personnel Housing	321 PN	7,200
812-220	Alter Electrical Distribution System	LS	4,500
921-177	Peacekeeper Land Acquisition	LS	1,200
	Total		32,750

10. Mission or Major Functions: Operational support for Peacekeeper intercontinental missile delivery systems. Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a strategic missile wing consisting of four Minuteman missile squadrons which maintain a continuous alert posture; a communications squadron; and a Military Airlift Command rescue and recovery squadron and detachment, operating TH-IF and UH-IF aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION F.E. WARREN AIR FORCE BASE, WYOMING	4 PROJECT TITLE PEACEKEEPER - LAUNCH FACILITIES SITE WORK

5 PROGRAM ELEMENT 1.12.15	6 CATEGORY CODE 149-512	7 PROJECT NUMBER GHLN871601	8 PROJECT COST ($000) 5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PEACEKEEPER - LAUNCH FACILITIES SITE WORK	EA	16	179,000	2,864
SUPPORTING FACILITIES				1,458
PAVEMENTS	LS			(1,058)
SITE IMPROVEMENTS	LS			(400)
SUBTOTAL				4,322
CONTINGENCY (10%)				432
TOTAL CONTRACT COST				4,754
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				261
TOTAL REQUEST				5,015
TOTAL REQUEST (ROUNDED)				5,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Includes modifications to pylons/tie-downs, increased maneuvering area to accommodate larger Peacekeeper vehicles, relocating utilities and other modifications as required. Also includes modifications to Air Force maintained access roads connecting public highways to individual sites.

11. REQUIREMENT: 50 ADEQUATE: 34 SUBSTANDARD: 16

PROJECT: Modify 30 existing Minuteman Silos and access roads.

REQUIREMENT: Modify existing Minuteman sites and associated access roads to support the silo-based Peacekeeper program at F E Warren AFB. This is the third of four phases. The site work includes modification to pylons/tie-downs, increasing the maneuvering area to accommodate the larger Peacekeeper vehicles, relocating telephone poles and utilities from the new maneuvering area and other modifications as required. Project also includes increasing the width and turn radius and adding the public highways to the individual sites.

CURRENT SITUATION: The existing launch facilities are configured to support the smaller and lighter Minuteman weapons components. There is insufficient space for the Peacekeeper transporter to maneuver on the site and the access roads are too narrow and of insufficient strength to support the larger Peacekeeper transporter. The schedule for the development of the Peacekeeper missile system requires that these launch facilities be modified in FY 87.

IMPACT IF NOT PROVIDED: Without this project, the installation and operational capability of the Peacekeeper missile system will be degraded. The high priority national security system will be adversely impacted.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION F.E. WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE PEACEKEEPER - LAUNCH FACILITIES SITE WORK		5. PROJECT NUMBER GHLN871601

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 JUL 23
	(b) Percent Complete as of January 1986	95
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JAN 30
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	83
	(b) All Other Design Costs	0
	(c) Total	83
	(d) Contract	73
	(e) In-house	10
(4)	Construction start	86 OCT

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION F.E. WARREN AIR FORCE BASE,WYOMIMG	4 PROJECT TITLE ADD TO AND ALTER ENERGY MONITORING CONTROL SYSTEM

5 PROGRAM ELEMENT 1.12.15	6 CATEGORY CODE 800-000	7 PROJECT NUMBER GHLN861602	8 PROJECT COST ($000) 2,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER ENERGY MONITORING CONTROL SYSTEM	LS			1,020
SUPPORTING FACILITIES				1,220)
COMMUNICATIONS	LS			(820)
UTILITIES	LS			(400)
SUBTOTAL				2,240
CONTINGENCY (10%)				224
TOTAL CONTRACT COST				2,464
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				136
TOTAL REQUEST				2,600
TOTAL REQUEST (ROUNDED)				2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Includes modification of Peacekeeper facilities and energy consuming systems and connection to existing base EMCS network to conserve energy and reduce consumption of fossil fuels.

11. REQUIREMENT: As required.

PROJECT: Connect existing base-wide Energy Monitoring Control System (EMCS) to new and modified Peacekeeper facilities and utility system.

REQUIREMENT: An Energy Monitoring Control System is required to optimize energy usage within Peacekeeper facilities, monitor for alarms, monitor and control utilities and power substations, improve maintenance management, and provide remote low-temperature alarms to protect critical facilities against heating system failures and freezing.

CURRENT SITUATION: An existing EMCS supports on base facilities. However, there is no EMCS surveillance for Peacekeeper operations and maintenance facilities.

IMPACT IF NOT PROVIDED: Peacekeeper facilities will not be monitored or regulated to assume efficient facility energy use and timely reaction to emergencies.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION F.E. WARREN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE ADD TO AND ALTER ENERGY MONITORING CONTROL SYSTEM		5. PROJECT NUMBER GHLN861602

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 03
	(b) Percent Complete as of January 1986	50
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 AUG 15
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - FEWARREN	
(3)	Total cost (c) = (a) + (b) or (d) +-(e):	($000)
	(a) Production of Plans and Specifications	223
	(b) All Other Design Costs	0
	(c) Total	223
	(d) Contract	187
	(e) In-house	36
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.13

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	564	3,587	561	112	90	0	0	0	0	4,914
b. END FY 19 91	597	3,713	560	112	90	0	0	0	0	5,072

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,034)	
b. INVENTORY TOTAL AS OF 30 Sept 84	187,370
c. AUTHORIZATION NOT YET IN INVENTORY	15,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,520
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,970
f. PLANNED IN NEXT THREE PROGRAM YEARS	28,740
g. REMAINING DEFICIENCY	95,900
h. GRAND TOTAL	341,400

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
130-835	Security Police Operations Facility	19,000	SF	2,900	Nov 83	Mar 86
211-183	T-9 Noise Suppressor Support Facility		LS	750	Jul 85	Aug 86
610-128	Alter Consolidated Base Personnel Office	42,000	SF	1,950	Jun 83	Jan 87
800-000	Energy Conservation Investment Program		LS	1,350	May 84	May 85
872-247	Security Improvements		LS	570	Jun 85	May 86
	Total			7,520		

9. Future Projects: (a) Included in Following Program (FY 88):

121-122	Add to Hydrant Fueling System	10	OL	5,100
171-212	KC-135 CPT Simulator Facility	3,350	SF	870
	Total			5,970

(b) Typical Planned Next Three Years:

130-142	Fire Station	19,000	SF	3,000
610-249	Wing Headquarters Facility	89,800	SF	8,000
812-92	Tanker Alert Lighting	60	EA	550

10. Mission or Major Functions: Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a heavy bombardment operational wing including one B-52 squadron and two KC-135 squadrons which maintain a bomber and tanker alert force; Air Training Command combat crew survival training; Military Airlift Command rescue and recovery; and Air National Guard air refueling unit (KC-135).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	1,700

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON	4 PROJECT TITLE SECURITY POLICE OPERATIONS FACILITY

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 130-835	7 PROJECT NUMBER GJKZ850019	8 PROJECT COST ($000) 2,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY POLICE OPERATIONS FACILITY	SF	19,000	87	1,653
SUPPORTING FACILITIES				960
UTILITIES	LS			(470)
PAVEMENTS	LS			(220)
SITE IMPROVEMENTS	LS			(165)
COMMUNICATIONS SUPPORT	LS			(105)
SUBTOTAL				2,613
CONTINGENCY (5%)				131
TOTAL CONTRACT COST				2,744
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				151
TOTAL REQUEST				2,895
TOTAL REQUEST (ROUNDED)				2,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Excavation, site preparation, masonry structure, load bearing walls, concrete footings, and foundation, insulated metal roof, parking, walkways, landscaping and emergency back-up power. Air conditioning - 40 tons

11. REQUIREMENT: 20,300 SF ADEQUATE: 1,300 SUBSTANDARD: 17,900 SF

PROJECT: Construct a security police operations facility.

REQUIREMENT: Adequate space, properly sized, configured and located to house security police operations, central security control, squadron command functions and confinement area.

CURRENT SITUATION: Existing security police activities are currently occupying space in four separate facilities. The primary facility is a building over 30 years old, wood frame and deteriorated. It is too small and not properly located to provide the desired accessibility and response times to various restricted areas containing high security priority resources. The confinement area is located in the basement of an existing dormitory scheduled for demolition upon completion of an FY 85 construction project. Law enforcement currently shares space in another building with the visitor control function. The pass and registration function will remain in its current location as it must interact extensively with the military personnel support center in an adjacent building.

IMPACT OF NOT PROVIDED: The security police functions will be forced to continue to occupy and operate out of scattered and substandard facilities. This will detract from an effective operation and will be detrimental to the security of high priority resources and assigned personnel and their dependents.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE SECURITY POLICE OPERATIONS FACILITY		5. PROJECT NUMBER GJKZ850019

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	83 NOV 28
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAR 01
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	119
	(b) All Other Design Costs	196
	(c) Total	315
	(d) Contract	251
	(e) In-house	64
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON	4. PROJECT TITLE ALTER CONSOLIDATED BASE PERSONNEL OFFICE

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 610-128	7 PROJECT NUMBER GJKZ840007A	8. PROJECT COST ($000) 1,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER CONSOLIDATED BASE PERSONNEL OFFICE	SF	42,000	24	1,008
SUPPORTING FACILITIES				685
STEAM LINE	LS			(600)
UTILITIES	LS			(70)
ASBESTOS REMOVAL	LS			(15)
SUBTOTAL				1,693
CONTINGENCY (10%)				169
TOTAL CONTRACT COST				1,862
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				102
TOTAL REQUEST				1,964
TOTAL REQUEST (ROUNDED)				1,950

10. DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, mechanical and structural work including doors, partitions, ceilings, walls, floors, lighting, ventilation system, fire detection and sprinkler systems, painting, demolition and asbestos removal as required.

11. REQUIREMENT: 42,000 SF ADEQUATE: 0 SUBSTANDARD: 42,000 SF

PROJECT: Alteration and upgrade of the existing Consolidated Base Personnel Office (CBPO).

REQUIREMENT: Adequate space, properly configured with sufficient lighting, ventilation, wall, floor and ceiling finishes and fire protection is required to accommodate base personnel activities and related functions. The facility must provide an acceptable working atmosphere and professional appearance to adequately serve the military and civilian personnel and their dependents assigned to this base.

CURRENT SITUATION: The existing facility was built in the 1940s of permanent construction and has not had a major rehabilitation since that time. The facility lacks ventilation, adequate lighting and has ceilings over 15 feet high. Wall and floor finishes have deteriorated with time and use. The building has excessive amounts of plywood partitions throughout which creates a dangerous fire hazard. The presence of asbestos exists in the building which constitutes a health hazard.

IMPACT IF NOT PROVIDED: Personnel working in this facility, as well as the customers that are served, will continue to be subject to adverse health and safety conditions. This will have an adverse impact on the morale and well being of assigned personnel and the ability of the base

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1 COMPONENT AIR FORCE	FY 19^{87} MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON		
4 PROJECT TITLE ALTER CONSOLIDATED BASE PERSONNEL OFFICE		5 PROJECT NUMBER GJKZ840007A

CBPO to perform its functions.

ADDITIONAL: This project was inserted and authorized in the FY 84 MCP by the Congress to be accomplished with savings. Subsequent to award of the construction contract, unforeseen conditions within the existing facility were discovered which were not estimated and included in the original scope of work. As a result, the project did not have the cost flexibility of other projects due to the requirement for reprogramming. The additional costs of correcting the unforeseen conditions caused the project to exceed the approved Programmed Amount (PA). This resulted in not being able to obtain a complete and usable facility within the PA and the construction contract was cancelled as being in the best interest of the government. The project is included in this program to request new authorization and appropriation of funds to accomplish the necessary work to complete the upgrade of this facility.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE ALTER CONSOLIDATED BASE PERSONNEL OFFICE		5. PROJECT NUMBER GJKZ840007A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a)	Date Design Started	83 JUN 03
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	90
(d)	Date Design Complete	87 JAN 01
(2) Basis		
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a)	Production of Plans and Specifications	25
(b)	All Other Design Costs	25
(c)	Total	50
(d)	Contract	35
(e)	In-house	15
(4) Construction start		87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 0.98

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	754	4,481	502	0	0	0	0	0	0	5,737
b. END FY 19 91	731	4,612	505	0	0	0	0	0	82	5,930

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,748)	
b. INVENTORY TOTAL AS OF 30 Sept 85	254,770
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	23,130
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,450
f. PLANNED IN NEXT THREE PROGRAM YEARS	25,000
g. REMAINING DEFICIENCY	51,400
h. GRAND TOTAL	356,750

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	B-1B Beddown Support Facilities PH II	LS	15,340	May 85	Sep 86
171-212	KC-135 CPT Simulator Facility	3,500 SF	780	Jul 85	Jun 86
179-475	Combat Arms Training and Maintenance Facilities	LS	1,500	Sep 83	Apr 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	362 PN	4,100	May 85	Sep 86
841-427	Elevated Water Storage Tank	500 KG	680	Dec 83	Apr 86
872-247	Security Improvements	LS	730	Jul 85	May 86
	Total		23,130		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	180 PN	2,450

(b) Typical Planned Next Three Years:

610-128	Add to and Alter Military Personnel Support Center	47,060 SF	4,100
724-415	Unaccompanied Officer Personnel Housing	47 PN	3,500
800-000	Energy Conservation Investment Program	LS	6,500
851-147	Alter Munitions Convoy Roads	18,060 SY	1,500

10. Mission or Major Functions: Active mission support activities include a heavy bombardment operational wing including one B-52 squadron and one KC-135 squadron which maintain a bomber and tanker alert force; third B-1B base; and a strategic missile wing consisting of three Minuteman missile squadrons which maintain a continuous alert posture.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	350
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B BEDDOWN SUPPORT FACILITIES - PHASE II

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 100-000	7 PROJECT NUMBER JFSD870000	8 PROJECT COST ($000) 15,340

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B BEDDOWN SUPPORT FACILITIES - PHASE II	LS			15,340
SUPPORT EQUIPMENT AND STORAGE FACILITY	SF	34,000		(3,150)
CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION	EA	11		(3,000)
CROSSOVER TAXIWAY	SY	10,500		(2,400)
BLAST DEFLECTORS	EA	17		(1,750)
ADD TO AND ALTER VARIOUS MAINTENANCE FAC	LS			(1,700)
ALTER FLIGHT SIMULATOR TRAINING FACILITY	SY	18,600		(1,100)
TRACTOR/TRAILER STORAGE FACILITIES	SF	11,600		(930)
ALTER INTEGRATED MAINTENANCE FACILITY	SF	32,350		(550)
(CONTINUED ON NEXT PAGE)				

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct new and add to and alter existing facilities essential for the beddown of the B-1B mission. Includes reinforced concrete foundations and floor slabs, structural frames, masonry walls, roof systems, CASS equipment and installations, all structural, electrical and mechanical work necessary to alter existing facilities, pavements, blast deflectors, security, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct new and add to and alter existing facilities to support the continued beddown of the new B-1B aircraft mission.

REQUIREMENT: Facilities to support the various maintenance, checkout and inspection activities associated with the continued beddoown of the new B-1B bomber with Short Range Attack Missile (SRAM) and gravity nuclear weapons systems assigned to this base.

CURRENT SITUATION: Existing facilities are now being used by the currently assigned B-52 bomber and KC-135 tanker aircraft missions. The KC-135 mission will remain with the arrival of the B-1B bomber. Existing facilities are inadequate to support the beddown of the B-1B bomber. Alteration of existing facilities and construction of new facilities are required to meet mission requirements. New facilities are planned only when there is no existing facility available or an existing facility cannot be altered.

IMPACT IF NOT PROVIDED: The continued beddown of the new B-1B bomber with its SRAM/gravity nuclear weapons system cannot be accomplished in a timely manner to support the full deployment of the B-1B. This would have an adverse impact on our strategic defense and national security.

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B BEDDOWN SUPPORT FACILITIES - PHASE II

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 90-000	7 PROJECT NUMBER JFSD870000	8 PROJECT COST ($000) 15,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BLOCK 9. (CONTINUED)				
JET ENGINE STORAGE FACILITY	SF	7,800		(430)
SECONDARY FIRE STATION	SF	3,500		(330)
TOTAL REQUEST				15,340

10 DESCRIPTION OF PROPOSED CONSTRUCTION

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NEW FACILITIES OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (5.5%).

NOTE 2: THIS DD FORM 1391/1391C SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE B-1B BEDDOWN AT THIS BASE. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391/1391C.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B SUPPORT EQUIPMENT AND STORAGE FACILITY

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 218-712	7 PROJECT NUMBER SGER872578	8 PROJECT COST ($000) 3,150

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B SUPPORT EQUIPMENT AND STORAGE FACILITY	SF	34,000	74	2,516
SUPPORTING FACILITIES				350
UTILITIES	LS			(250)
COMMUNICATIONS	LS			(100)
SUBTOTAL				2,866
CONTINGENCY (5%)				143
TOTAL CONTRACT COST				3,009
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				165
TOTAL REQUEST				3,174
TOTAL REQUEST (ROUNDED)				3,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Steel frame with composite steel insulated panel siding, steel truss with metal decking and built-up roofing system. Project includes oil/water separator, heated and ventilated wash rack, fire protection, support office space, airfield approach paving, vehicle parking, new underground fuel tanks (1-10,000 and 2-5,000 gal) and covered pumps, utilities and other necessary support.

11. REQUIREMENT: 45,950 SF ADEQUATE: 11,950 SF SUBSTANDARD: 40,220 SF

PROJECT: Construct a support equipment (SE) maintenance and storage facility.

REQUIREMENT: Adequate space, properly sized, configured and located, is required to house SE maintenance, storage and servicing activities in support of the beddown of the B-1B bomber at this base.

CURRENT SITUATION: SE functions are currently being accommodated in portions of two existing facilities. This space is needed for Site Activation Task Force (SATAF) and additional avionics space, lift trailer storage and aircraft maintenance requirements to support the B-1B. This existing space is too small, not properly configured or located, lacks proper ventilation, lighting and maneuvering room for the increased SE requirements.

IMPACT IF NOT PROVIDED: Without this project, adequate SE support will not be available which could have an adverse impact on mission capability and be detrimental to our national security.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B-SUPPORT EQUIPMENT AND STORAGE FACILITY		5. PROJECT NUMBER SGER872578

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 MAY 01
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 30
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	197
(b) All Other Design Costs	0
(c) Total	197
(d) Contract	158
(e) In-house	39
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 200-000	7 PROJECT NUMBER SGER872577	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION	EA	11	225,730	2,483
SUPPORTING FACILITIES	LS			225
UTILITIES	LS			(120)
COMMUNICATIONS	LS			(30)
SITE IMPROVEMENTS	LS			(75)
SUBTOTAL				2,708
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,844
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				156
TOTAL REQUEST				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Installation of a Central Aircraft Support System (CASS) to provide electrical power, air start, liquid coolant-conditioned air and communications for 11 B-1B aircraft parked on the maintenance parking apron. Includes an electrical power and compressed air distribution center with mechanical ventilation, heating system, air piping and regulator, underground electrical power distribution, transformers, service islands, cooling tower and air ducting and coolant distribution center with supply and return piping, utilities and other necessary support.

11. REQUIREMENT: 11 EA ADEQUATE: 0 SUBSTANDARD: 0

PROJECT Acquisition and installation of CASS equipment necessary to complete the system for which the first phase underground provisions were included in the FY 1986 Military Construction Program (MCP).

REQUIREMENT: An adequate CASS system is required to reduce fuel and manpower costs, improve efficiency and reduce dependence on portable support equipment. The CASS must include power, air, liquid coolant and conditioned air systems and communications support to be installed in the underground provisions included in the FY 1986 MCP. This is the second phase of two-phased project to provide a complete CASS to support the B-1B.

CURRENT SITUATION: There is no CASS at Grand Forks AFB at this time. Aircraft maintenance functions and activities are now accomplished and supported by the use of mobile support equipment which requires more fuel and manpower to operate. This project will reduce the requirement for and dependence on support equipment and associated manpower and

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B - CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION		5. PROJECT NUMBER SGER872577

provide a more efficient and effective method for maintaining assigned aircraft.

IMPACT IF NOT PROVIDED: If this project is not provided, continued reliance on support equipment with its increased fuel use and manpower requirements will result in a less effective and efficient maintenance activity.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B-CENTRAL AIRCRAFT SUPT SYS (CASS) EQUIP AND INSTALLATION		5. PROJECT NUMBER SGER872577

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 01
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 30

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - ELLSWORT

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	286
(b)	All Other Design Costs	0
(c)	Total	286
(d)	Contract	16
(e)	In-house	270

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B CROSSOVER TAXIWAY

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 112-211	7 PROJECT NUMBER JFSD872581	8 PROJECT COST ($000) 2,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B CROSSOVER TAXIWAY	SY	10,500	197	2,066
SUPPORTING FACILITIES	LS			101
UTILITIES	LS			(30)
TAXIWAY LIGHTING	LS			(55)
SITE IMPROVEMENT W/MARKING	LS			(16)
SUBTOTAL				2,167
CONTINGENCY (5%)				108
TOTAL CONTRACT COST				2,275
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				125
TOTAL REQUEST				2,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete paved taxiway 75 feet wide by approximately 1,000 feet long, complete with edge lighting and pavement marking, utilities and other necessary support.

11. REQUIREMENT: 10,500 SY ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a new taxiway from the bomber/tanker aircraft parking apron to the runway.

REQUIREMENT: Aircraft taking off and landing at an airfield requires an adequate network of taxiways between the runway, the aircraft maintenance and parking apron and alert aircraft area.

CURRENT SITUATION: Aircraft landing from the north are required to taxi an extra 2,400 feet to the crossover taxiway at the south end of the runway plus another 3,600 feet to the aircraft parking area, a total of more than one mile. This distance adds approximately five minutes to the taxiing time and causes a back-up at the alert area during an alert exercise. Congestion also occurs on the base operations parking area located by the south crossover taxiway due to use by Log Air, transient aircraft, T-38 trainers and helicopter operations. This new crossover taxiway would allow bombers and tankers to get out of the aircraft parking area without interference from other aircraft. During an alert exercise, aircraft are returned to the alert area in a specific order. This currently requires up to one hour should an aircraft have to maneuver around another one to get in proper sequence. This new taxiway will eliminate the extra taxiing distance, reduce taxiing time and facilitate more efficient aircraft movements during alert exercises as well as normal aircraft operations.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B - CROSSOVER TAXIWAY		5. PROJECT NUMBER JFSD872581

IMPACT IF NOT PROVIDED: Aircraft operation will continue to be delayed resulting in congestion and interference in aircraft manuevers during an alert exercise which could have an adverse impact on mission capability and national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA

4. PROJECT TITLE B-1B-CROSSOVER TAXIWAY	5. PROJECT NUMBER SGER872581

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 01
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	50
(b)	All Other Design Costs	0
(c)	Total	50
(d)	Contract	0
(e)	In-house	50

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B BLAST DEFLECTORS

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 116-945	7 PROJECT NUMBER SGER872521	8 PROJECT COST ($000) 1,750

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B BLAST DEFLECTORS	EA	17	82,470	1,402
SUPPORTING FACILITIES				176
REMOVAL/RELOCATION	EA	13	3,500	(46)
PAVEMENT MARKING	LS			(80)
COMMUNICATIONS	LS			(50)
SUBTOTAL				1,578
CONTINGENCY (5%)				79
TOTAL CONTRACT COST				1,657
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				91
TOTAL REQUEST				1,748
TOTAL REQUEST (ROUNDED)				1,750

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct 17 steel framed blast deflectors with corrugated steel blast surfaces of sufficient height and anchors on the existing aircraft parking apron to include communications support to each deflector. Includes relocation of the existing deflectors, pavement markings, removal of eleven other existing blast deflectors, utilities and other necessary support.

11. REQUIREMENT: 33 EA ADEQUATE: 16 EA SUBSTANDARD: 14 EA

PROJECT: Construct 17 blast deflectors.

REQUIREMENT: Blast deflectors are required during runup of aircraft engines when parked on the parking apron to prevent erosion of adjacent ground surface and preclude possible foreign object damage to aircraft and engines.

CURRENT SITUATION: Existing blast deflectors were designed to withstand jet blasts from B-52 and KC-135 aircraft. They are not high enough for or capable of withstanding the blast force generated by the B-1B. Also, some are located in an area which interferes with the parking of the B-1B aircraft and must be removed. Remaining deflectors will continue to be used by the KC-135 aircraft.

IMPACT IF NOT PROVIDED: Adequate protection will not be available during engine runup to protect adjacent surfaces, prevent debris and possible foreign object damage to engines, or other nearby aircraft and facilities.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B-BLAST DEFLECTORS		5. PROJECT NUMBER SGER872521

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 01
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - ELLSWORT	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	88
	(b) All Other Design Costs	0
	(c) Total	88
	(d) Contract	0
	(e) In-house	88
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B ADD TO AND ALTER VARIOUS MAINTENANCE FACILITIES

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 210-000	7 PROJECT NUMBER SGER872564	8 PROJECT COST ($000) 1,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B ADD TO AND ALTER VARIOUS MAINTENANCE FACILITIES	LS			1,400
ADD TO AND ALTER MUNITIONS MAINTENANCE FACILITY	LS			(750)
ADD TO AND ALTER EGRESS SHOP	LS			(300)
ALTER ENGINE INSPECTION AND REPAIR FACILITY	LS			(350)
SUPPORTING FACILITIES				60
UTILITIES	LS			(40)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				1,460
CONTINGENCY (5%)				146
TOTAL CONTRACT COST				1,606
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				88
TOTAL REQUEST				1,694
TOTAL REQUEST (ROUNDED)				1,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct additions to two existing buildings to include reinforced concrete foundations, floor slabs, masonry walls and built-up roof systems to match existing construction. All electrical, mechanical and structural work necessary to alter these and one other building to accommodate engine inspection and repair (I&R), egress systems and munitions maintenance shops. Project includes bridge crane and hoists, electrical outlets for portable steam cleaning equipment, new sloped floor and floor drain with an oil/water separator for the I&R shop; removal of existing wood frame portion of building and replace with larger space and provide new insulation for rest of building for the egress shop; adds and alters space for munitions squadron support and shop area; site improvements, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct additions to and alter two buildings and alter a third building to accommodate munitions maintenance, egress and engine I&R shops in support of the B-1B beddown.

REQUIREMENT: Adequate space, properly sized, configured and located, is required to provide maintenance, inspection and check out of aircraft and equipment components associated with the B-1B. Munitions maintenance requirements include weapons and release systems and general purpose shops and vehicle operations heated parking. Egress and engine I&R shops include administrative support, equipment shops, explosive storage, overhead crane and hoists, wash rack and bearing room.

CURRENT SITUATION: The engine I&R shop is currently located approximately one mile from engine storage and test facilities. The

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B ADD TO AND ALTER VARIOUS MAINTENANCE FACILITIES		5. PROJECT NUMBER SGER872564

engine I&R shop must be located near these facilities to minimize risk of damage to engines and engine components during transportation between these facilities. Relocation of the engine I&R shop near these facilities will reduce manpower and equipment required to transport engines back and forth. The engine I&R shop is proposed to be located in the existing munitions maintenance shop facility which is located near the engine storage and test facilities. The munitions maintenance activities, which include weapons and release systems and general purpose shops, as well as vehicle operations heated parking, will relocate to the existing engine I&R shop facility. The egress systems shop space needs upgrading to accommodate intermediate level maintenance on ejection seats and other B-1B egress equipment. In addition, safe temporary storage of explosives is lacking as is adequate insulation and administrative support.
IMPACT IF NOT PROVIDED: Without this project, adequate maintenance cannot be provided for aircraft engines, egress systems, munitions maintenance and associated equipment required for the continued beddown of the B-1B bomber assigned to this base. This could have an adverse impact on mission beddown and national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B-ADD TO AND ALTER VARIOUS MAINTENANCE FACILITIES		5. PROJECT NUMBER SGER872564

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 15
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	65
	(b) All Other Design Costs	0
	(c) Total	65
	(d) Contract	52
	(e) In-house	13
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE B-1B - ALTER FLIGHT SIMULATOR TRAINING FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.11.26	171-212	SGER872522	1,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER FLIGHT SIMULATOR TRAINING FACILITY	SF	18,600	49	911
SUPPORTING FACILITIES				90
UTILITIES	LS			(10)
COMMUNICATIONS	LS			(55)
SITE IMPROVEMENTS	LS			(25)
SUBTOTAL				1,001
CONTINGENCY (5%)				50
TOTAL CONTRACT COST				1,051
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				58
TOTAL REQUEST				1,109
TOTAL REQUEST (ROUNDED)				1,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(18,000)

10 DESCRIPTION OF PROPOSED CONSTRUCTION All structural, mechanical and electrical work necessary to alter the existing B-52 flight simulator facility to meet the requirements of the B-1B bomber. Project includes alteration of high bay space for the simulator, computer room, administrative space, support space, utilities and other necessary support.

11. REQUIREMENT: 18,600 SY ADEQUATE: 0 SUBSTANDARD: 18,600 SF

PROJECT: Alteration of the existing B-52 flight simulator facility to accommodate a B-1B flight simulator.

REQUIREMENT: Adequate space, properly sized and configured, is required to house a B-1B flight simulator scheduled to be delivered to this base in FY 1988.

CURRENT SITUATION: The existing B-52 flight simulator facility will be available to accommodate the B-1B flight simulator. It requires some alteration to insure that it will house the new simulator. The B-52 flight simulator will be removed and transferred to another location to satisfy B-52 requirements. There are no other facilities on base which will satisfy the B-1B simulator needs.

IMPACT IF NOT PROVIDED: The B-1B flight simulator scheduled to be delivered to Grand Forks in FY 1988 will not have an adequate facility in which it can be housed. This would have an adverse impact on the training of B-1B flight crews which would be detrimental to the operational needs of the B-1B bomber and national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B - ALTER FLIGHT SIMULATOR TRAINING FACILITY		5. PROJECT NUMBER SGER872522

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 09
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 22
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - ELLSWORT	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	75
	(b) All Other Design Costs	0
	(c) Total	75
	(d) Contract	60
	(e) In-house	15
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURRING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
B-1B Weapons System Trainer	3080	1985	18,000

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA

4. PROJECT TITLE B-1B BEDDOWN SUPPORT FACILITIES - PHASE II	5. PROJECT NUMBER JFSD870000

($000)

B-1B - TRACTOR AND TRAILER
STORAGE FACILITIES SCOPE: 11,600 SF COST: 930
SGER868622 CATEGORY CODE: 442-758

REQUIREMENT: 11,600 SF ADEQUATE: 0 SUBSTANDARD: 0

Construct two new heated storage facilities to house munitions lift trailers and tractors. These vehicles and equipment are expensive, mission essential and must be protected from the elements. Currently, there are no existing facilities in which these tractors and trailers can be adequately accommodated. Munitions lift trailers will not function properly in extreme cold weather where they are forced to be stored outside. A lift trailer frozen in a lifted positon can cause cessation of aircraft generation until the trailer is thawed. Exposure of this equipment to harsh weather will cause excessive maintenance and increased risk of critical equipment failure. Without this project, these tractors and trailers will have to be stored outside where exposure could result in their unavailability for mission accomplishment which would be detrimental to national security.

B-1B - ALTER INTEGRATED
MAINTENANCE FACILITY SCOPE: 32,350 SF COST: 550
SGER872561 CATEGORY CODE: 212-212

REQUIREMENT: 32,350 SF ADEQUATE: 0 SUBSTANDARD: 32,350 SF

Alter the existing integrated maintenance facility (IMF) to provide adequate power required to support B-1B beddown requirements. The existing IMF does not have the 230/400 volt, 400 cycle power necessary to support the testing of B-1B components. This power is used on the aircraft to operate the electronic systems so that they can be properly tested and maintained. Single missile maintenance and checkout of short range attack missiles (SRAM) cannot be accomplished without the 400 cycle power. There are no other suitable means by which these tasks can be done. Without this project, proper testing, maintenance and checkout of B-1B aircraft electronic components and SRAMs cannot be performed. This would have an adverse impact on mission capability and be detrimental to national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE B-1B BEDDOWN SUPPORT FACILITIES - PHASE II		5. PROJECT NUMBER JFSD870000

($000)

B-1B - JET ENGINE STORAGE FACILITY
SGER872579
SCOPE: 7,800 SF
COST: 430
CATEGORY CODE: 442-758

REQUIREMENT: 7,800 SF
ADEQUATE: 0
SUBSTANDARD: 1,200 SF

Construct a 7,800 square foot (SF) building for the storage of jet engines associated with the B-1B bomber assigned to this base. Adequate space, properly sized, configured and located, is required to store these jet engines. These engines must be located to be readily accessible to aircraft maintenance hangars and the engine inspection and repair (I&R) shop. Spare engines are currently being stored in an existing facility approximately one mile from the maintenance and test facilities. These engines are transported under all types of weather and road conditions which subjects them to a high risk of damage to the carbon seals and turbine blades. Should damage occur it cannot be found until the engine is mounted on an aircraft and initial run-up reveals a malfunction. Any malfunction requires the engine to be dismounted and transported one mile in adverse weather to the I&R shop. There is no other available space near the maintenance and test facilities to support this requirement. Without this project, possible damage to engines will continue which could have an adverse impact on engine availability which would be detrimental to mission capability and national security.

B-1B - SECONDARY FIRE STATION
SGER868620
SCOPE: 3,500 SF
COST: 330
CATEGORY CODE: 130-142

REQUIREMENT: 3,500 SF
ADEQUATE: 0
SUBSTANDARD: 0

Construct a secondary fire station near the B-1B aircraft parking apron. This facility is required to provide protection for the B-1B, eliminate many of the security and access problems associated with the B-1B, and meet the minimum response time established by the Federal Aviation Administration (FAA) for aircraft disasters. There is no fire fighting capability located near the flight line that will satisfy these requirements. Without this project, required protection and security will not be available to the B-1B bomber.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.97	179-475	JFSD868601	1,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	LS			943
TRAINING AND MAINTENANCE BUILDING	SF	3,200	115	(368)
RIFLE/PISTOL RANGE	LS			(410)
MACHINE GUN RANGE	LS			(165)
SUPPORTING FACILITIES				410
UTILITIES	LS			(150)
ROADS AND PARKING	LS			(90)
SITE IMPROVEMENTS	LS			(170)
SUBTOTAL				1,353
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,421
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				78
TOTAL REQUEST				1,499
TOTAL REQUEST (ROUNDED)				1,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Includes acoustic attenuation, latrines, propane heat, paved road and parking, plus all necessary utilities, fire detection/alarm and communications support required.

11. REQUIREMENT: 3,200 SF ADEQUATE: 0 SUBSTANDARD: 1,150 SF

PROJECT: Construct a combat arms training and maintenance facility with firing ranges for pistol, rifle and machine gun training.

REQUIREMENT: Adequate facilities for training over 7,500 military personnel annually in the use of combat and small arms, such as M-16 rifles, .38 caliber pistols, shotguns and M-60 machine guns. Storage for weapons and target materials, academic training space and maintenance area are required.

CURRENT SITUATION: The existing building is too small with only about one-third of the space required to provide adequate classroom, administrative support, storage and maintenance area. The facility is metal, substandard and cannot be expanded or upgraded. The existing rifle/pistol range is too small, deteriorated and beyond economical repair. There is no machine gun range. Lack of a machine gun range requires that personnel be transported daily 100 miles to another location for this training.

IMPACT IF NOT PROVIDED: Full combat readiness training requirements cannot be met and existing training will continue under adverse and substandard conditions. This would be detrimental to the capability of the base to defend itself and protect high priority resources under its control.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES		5. PROJECT NUMBER JFSD868601

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 SEP 26
(b) Percent Complete as of January 1986	90
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 01
(2) Basis	
(a) Standard or Definitive Design -	Yes No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	127
(b) All Other Design Costs	0
(c) Total	127
(d) Contract	74
(e) In-house	53
(4) Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 721-312	7. PROJECT NUMBER JFSD878702	8. PROJECT COST ($000) 4,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (362 PN)	SF	71,000	47	3,337
SUPPORTING FACILITIES				205
SITE IMPROVEMENTS	LS			(100)
COMMUNICATIONS SUPPORT	LS			(10)
UTILITIES	LS			(75)
PAVEMENTS	LS			(20)
SUBTOTAL				3,542
CONTINGENCY (10%)				354
TOTAL CONTRACT COST				3,896
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				214
TOTAL REQUEST				4,110
TOTAL REQUEST (ROUNDED)				4,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alteration of structural, mechanical and electrical systems in four buildings. Includes installation of semiprivate baths, fire protection, and exterior lighting.
GRADE MIX: 362 E1-E4.

11. REQUIREMENT: 3,025 PN ADEQUATE: 1,448 PN SUBSTANDARD: 542 PN
PROJECT: Alter four unaccompanied enlisted housing facilities.
REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.
CURRENT SITUATION: The facilities to be upgraded were constructed in the 1950's. They lack privacy, personal storage and individual room temperature controls. They have poor lighting, insulation and sound attenuation, obsolete electrical and mechanical systems, central latrines, inadequate fire protection, and have a generally poor aesthetic environment. This project will provide upgraded facilities that meet current Air Force living standards.
IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER JFSD878702

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 15
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used -

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	267
(b) All Other Design Costs	0
(c) Total	267
(d) Contract	205
(e) In-house	62

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION GRIFFISS AIR FORCE BASE, NEW YORK	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	762	3,756	2,851	0	0	0	1	0	3	7,373
b. END FY 19 91	678	3,226	2,869	0	0	0	1	0	3	6,777

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,802)	
b. INVENTORY TOTAL AS OF 30 Sept 85	258,600
c. AUTHORIZATION NOT YET IN INVENTORY	5,040
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,590
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	30,970
g. REMAINING DEFICIENCY	59,300
h. GRAND TOTAL	366,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-183	T-9 Noise Suppressor Support Facility	LS	440	Apr 84	Feb 86
872-247	Security Improvements	LS	1,150	Sep 85	Jul 86
	Total		1,590		

9. Future Projects: (a) Included in Following Program (FY 88):

211-154	Aircraft Maintenance Facility	8,000 SF	800
721-312	Alter Unaccompanied Enlisted Personnel Housing	146 PN	1,700
813-225	Alter Electrical Distribution System	LS	8,000
	Total		10,500

(b) Typical Planned Next Three Years:

721-351	Dining Hall	LS	3,600
740-675	Library	8,000 SF	1,000

10. Mission or Major Functions: Active mission support activities include a heavy bombardment operational wing including one B-52 squadron and one KC-135 squadron which maintain a bomber and tanker alert force; a Tactical Air Command tenant fighter interceptor squadron which performs air defense and maintains an alert force; an Air Force Systems Command tenant (Rome Air Development Center) which performs electronics research and development; and an Air Force Communications Command tenant northern communications area headquarters performing design, programming, installation and maintenance of advanced communications systems.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	800
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRIFFISS AIR FORCE BASE, NEW YORK	4. PROJECT TITLE SECURITY IMPROVEMENTS

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 872-247	7 PROJECT NUMBER JWEZ862580	8 PROJECT COST ($000) 1,150

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS			934
INTERIOR FENCE	LF	42,200	20	(844)
PERSONNEL AND VEHICLE GATES	LS			(90)
SUPPORTING FACILITIES				110
COMMUNICATIONS	LS			(20)
UTILITIES	LS			(50)
SITE IMPROVEMENTS	LS			(40)
SUBTOTAL				1,044
CONTINGENCY (5%)				52
TOTAL CONTRACT COST				1,096
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				60
TOTAL REQUEST				1,156
TOTAL REQUEST (ROUNDED)				1,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Eight-foot security fencing and area lighting around flightline facilities. Includes personnel and vehicle entry point gates, gate guard houses, and warning signs.

11. REQUIREMENT: As required.

PROJECT: Construct security improvements to provide a physical and legal line of demarcation for unauthorized personnel and vehicles.

REQUIREMENT: Security improvements are required to provide the essential minimum protection for flightline and industrial complexes and other critical support areas to counter threats of violence to direct mission related resources and possible disruption of the base mission.

CURRENT SITUATION: Security measures in and around the flightline and industrial complexes as well as other critical support areas and facilities do not exist or are minimal. There is no finite line of demarcation that limits access permitted in certain areas and facilities on the base. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base.

IMPACT IF NOT PROVIDED: Lack of these security improvements subjects aircraft, sensitive components, high value equipment and key support facilities to easy access which could result in damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRIFFISS AIR FORCE BASE, NEW YORK		
4. PROJECT TITLE SECURITY IMPROVEMENTS		5. PROJECT NUMBER JWEZ862580

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 SEP 18
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 28

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	25
(b)	All Other Design Costs	2
(c)	Total	27
(d)	Contract	27
(e)	In-house	0

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION GRISSOM AIR FORCE BASE, INDIANA	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.06

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	326	2,210	741	0	0	0	0	0	0	3,277
b. END FY 19 91	344	2,273	744	0	0	0	0	0	0	3,361

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,015)	
b. INVENTORY TOTAL AS OF 30 Sept 85	110,450
c. AUTHORIZATION NOT YET IN INVENTORY	7,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,450
f. PLANNED IN NEXT THREE PROGRAM YEARS	8,400
g. REMAINING DEFICIENCY	21,150
h. GRAND TOTAL	152,400

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	Mission Operations Facility	25,800 SF	3,000	Apr 85	Oct 85
179-475	Combat Arms Training and Maintenance Facilities	3,000 SF	850	May 84	Apr 86
	Total		3,850		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	150 PN	1,450
	(b) Typical Planned Next Three Years:		
219-947	Base Engineer Covered Storage Facility	23,280 SF	1,450
442-768	Warehouse Administrative Facility	18,500 SF	2,200
740-674	Physical Fitness Center	33,400 SF	4,000
852-269	Fuels Complex	LS	750

10. Mission or Major Functions: Active mission support activities include a heavy air refueling operational wing consisting of two KC-135 squadrons which support Air Force tanker and airborne command and control requirements and maintain an alert force; an Air Force Reserve A-10 tenant tactical wing performing training to maintain combat readiness, and an Air Force Reserve KC-135 tenant heavy air refueling squadron which performs training to maintain combat readiness, supports operational tanker requirements and maintains a tanker alert force.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	3,550
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GRISSOM AIR FORCE BASE, INDIANA	4 PROJECT TITLE MISSION OPERATIONS FACILITY

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 141-753	7 PROJECT NUMBER CTGC840012	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSION OPERATIONS FACILITY	SF	25,800	80	2,064
SUPPORTING FACILITIES				660
COMMUNICATIONS	LS			(150)
UTILITIES	LS			(200)
PAVEMENTS	LS			(210)
SITE IMPROVEMENTS	LS			(100)
SUBTOTAL				2,724
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,860
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				157
TOTAL REQUEST				3,017
TOTAL REQUEST (ROUNDED)				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, steel frame, masonry walls, brick veneer and built-up roof. All utilities and other necessary support. Air Conditioning: 60 Tons.

11. REQUIREMENTS: 25,800 SF ADEQUATE: 0 SF INADEQUATE: 5,700 SF

PROJECT: Construct a new mission operations facility.

REQUIREMENT: Adequate space, properly sized and configured, is required to accommodate the activities and functions associated with the operations of two KC-135 tanker refueling squadrons. Each squadron requires space for planning, briefing, administration, crew critique, and care, storage and issue of flying equipment and clothing for each crew member.

CURRENT SITUATION: Mission operations functions currently occupy space in three separate and widely scattered buildings. The two squadrons now share space in one facility which is too small to satisfy the requirement of one squadron. Life support equipment is located in two other buildings as well as the main operations facility. Consolidation of these functions into one facility will permit demolition of one substandard building and release space in the other two buildings for satisfying deficiencies in field training, survival equipment shop and wing headquarters space for which it is considered adequate.

IMPACT IF NOT PROVIDED: KC-135 tanker squadron activities will continue to operate out of scattered, substandard facilities which is inefficient and creates conditions which are detrimental to the morale, productivity and well being of aircraft crew members and assigned support personnel.

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GRISSOM AIR FORCE BASE, INDIANA		
4. PROJECT TITLE MISSION OPERATIONS FACILITY	5. PROJECT NUMBER CTGC840012	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 04
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 OCT 23
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	364
	(b) All Other Design Costs	0
	(c) Total	364
	(d) Contract	291
	(e) In-house	73
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION HOLBROOK RADAR BOMB SITE, ARIZONA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.02

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	2	71	3	0	0	0	0	0	0	76
b. END FY 19 91	2	87	3	0	0	0	0	0	0	92

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8)	
b. INVENTORY TOTAL AS OF	30 Sept 85	300
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		630
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		2,530

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-312	STR-Purchase Unaccompanied Enlisted Personnel Personnel Housing/Land Acquisition	24 PN	630	Sep 85	Sep 86

9. Future Projects: (a) Included in Following Program (FY 87):

171-000 STR Support Facilities LS 1,600

(b) Typical Planned Next Three Years: None

10. Mission or Major Functions: Provides a wide range of simulated ground threats for bomber flight crew trainig. Scores effectiveness of crew electronic warfare counter-measure actions as well as their simulated weapons

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1 COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2 DATE

3 INSTALLATION AND LOCATION
K. I. SAWYER AIR FORCE BASE,
MICHIGAN

4 COMMAND
STRATEGIC AIR COMMAND

5 AREA CONSTR COST INDEX
1.06

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	[illegible]	[illegible]	[illegible]	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	506	3,390	406	0	0	0	0	0	0	4,302
b. END FY 19 91	490	2,896	403	0	0	0	0	0	0	3,789

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (5,278)	
b INVENTORY TOTAL AS OF 30 Sept 85	136,470
c AUTHORIZATION NOT YET IN INVENTORY	22,580
d AUTHORIZATION REQUESTED IN THIS PROGRAM	1,730
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,750
f PLANNED IN NEXT THREE PROGRAM YEARS	15,430
g REMAINING DEFICIENCY	35,940
h GRAND TOTAL	215,900

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179-475	Add to and Alter Combat Arms Training and Maintenance Facilities	LS	740	Jul 85	Aug 86
872-274	Security Improvements	LS	990	Jul 85	Jun 86
	Total		1,730		

9. Future Projects: (a) Included in Following Program (FY 88):

149-962	Aircraft Control Tower	1 EA	2,150
171-212	KC-135 CPT Simulator Facility	3,500 SF	800
211-183	T-9 Noise Suppressor Support Facility	LS	800
	Total		3,750

(b) Typical Planned Next Three Years:

219-944	Base Engineer Complex	66,400 SF	6,000
730-772	Religious Education Facility	6,100 SF	720

10. Mission or Major Functions: Active mission support activities include a heavy bombardment operational wing including one B-52 squadron and two KC-135 squadrons which maintain a bomber and tanker alert force.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LA JUNTA RADAR BOMB SITE, COLORADO	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 0.98

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	2	105	1	0	0	0	0	0	0	108
b. END FY 19 91	2	86	1	0	0	0	0	0	0	89

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6)	
b. INVENTORY TOTAL AS OF 30 Sept 85	50
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	5,510

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-000	STR Support and Land Acquisition	LS	5,460	Apr 85	Jun 86

9. Future Projects: None

10. Mission or Major Functions: Provides a wide range of simulated ground threats for bomber flight crew training. Scores effectiveness of crew electronics warfare counter-measure actions as well as their simulated weapons release.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE

3 INSTALLATION AND LOCATION
LA JUNTA RADAR BOMB SCORING (RBS) SITE, COLORADO

4 PROJECT TITLE
STRATEGIC TRAINING RANGE (STR) SUPPORT AND LAND ACQUISITION

5 PROGRAM ELEMENT
1.18.97

6 CATEGORY CODE
141-454

7 PROJECT NUMBER
MNDJ870016

8 PROJECT COST ($000)
5,460

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC TRAINING RANGE (STR) SUPPORT AND LAND ACQUISITION	LS			5,460
COMPOSITE SUPPORT FACILITIES	LS			(2,150)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (24 PN)	SF	6,500		(1,750)
TECHNICAL OPERATIONS FACILITY	SF	8,000		(1,300)
LAND ACQUISITION	AC	38		(260)
TOTAL REQUEST				5,460

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NEW PROJECT OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.5%)

NOTE 2: THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON REQUIREMENT IN SUPPORT OF THE STR SITE AT LA JUNTA. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION,

11. REQUIREMENT: As required.

PROJECT: Acquire necessary land and construct facilities to provide a permanent fixed strategic training range (STR) site at the La Junta RBS.

REQUIREMENT: Bomber flight crews must have concentrated and realistic proficiency training on a regular basis. STR sites in Maine, Kentucky, Colorado, Arizona, Idaho and Guam will enable local area bases to conduct this training. These sites permit concentrated low level penetration and weapons delivery tactics along a previously established radar bomb scoring (RBS) route, provide the ground threat training required to insure that bomber crew skills are maintained, and allow a wide variety of threats to be directed at the aircraft and crews. This project is the first of six sites proposed to provide local area bases with adequate proficiency training capability through upgrade of existing RBS sites.

CURRENT SITUATION: The existing RBS site at La Junta consists of a temporary configuration which includes leased land from the local municipality and a group of trailers linked together serving the technical operations and composite support functions. The vehicle and equipment maintenance shop is too small to adequately handle and maintain the vehicles assigned to the site. There is no existing dormitory or dining facility. Assigned personnel must live on the local economy which is expensive and does not always meet acceptable living standards. Recreation facilities are nonexistent.

IMPACT IF NOT PROVIDED: Personnel assigned to this STR site will be forced to continue to operate out of temporary, substandard and

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LA JUNTA RADAR BOMB SCORING (RBS) SITE, COLORADO		
4. PROJECT TITLE STRATEGIC TRAINING RANGE (STR) SUPPORT AND LAND ACQUISITION		5. PROJECT NUMBER MNDJ870016

inadequate facilities, live on the local economy which is expensive, and be without recreational facilities that are essential to their morale and well-being. This would have an adverse impact on required proficiency training being provided to bomber flight crews.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LA JUNTA, COLORADO	4 PROJECT TITLE STRATEGIC TRAINING RANGE (STR) SITE-COMPOSITE SUPPORT FACILITY

5 PROGRAM ELEMENT 1.18.97	6 CATEGORY CODE 740-000	7 PROJECT NUMBER MNDJ870018	8 PROJECT COST ($000) 2,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC TRAINING RANGE (STR)				
SITE-COMPOSITE SUPPORT FACILITY	LS			1,250
COMPOSITE SUPPORT BUILDING	SF	8,000	80	(640)
VEHICLE/EQUIPMENT MAINTENANCE FACILITY	SF	1,000	90	(90)
PERSONNEL SUPPORT AREAS	LS			(120)
WATER STORAGE TANK	LS			(400)
SUPPORTING FACILITIES				690
UTILITIES	LS			(290)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(200)
COMMUNICATIONS	LS			(80)
SUBTOTAL				1,940
CONTINGENCY (5%)				97
TOTAL CONTRACT COST				2,037
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				112
TOTAL REQUEST				2,149
TOTAL REQUEST (ROUNDED)				2,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a permanent 8,000 square foot (SF) composite support facility, a 1,000 SF vehicle and equipment maintenance facility and personnel support areas. Project includes space for civil engineering, kitchen, lounge, personnel support including outdoor areas, enlarged vehicle maintenance area, water storage tank, pavements, communications support, utilities and other necessary support. Air Conditioning: 50 Tons.

11. REQUIREMENT: 9,000 SF ADEQUATE: 0 SUBSTANDARD: 780 SF

PROJECT: Construct new composite support facilities.

REQUIREMENT: Adequate facilities, properly sized and configured, are required to accommodate STR function, provide support space for assigned personnel and house vehicle maintenance activities.

CURRENT SITUATION: No permanent facilities are currently available for these functions. The existing temporary facilities and makeshift operation are on leased land from the local municipality.

IMPACT IF NOT PROVIDED: If this project is not provided, there will not be adequate facilities available to support a fixed permanent STR site. Assigned personnel and functions will be forced to operate on the local economy in a self-help manner which will have a continuing adverse impact on their morale and well being. This would have a detrimental effect on work performance and capability to adequately provide training for bomber flight crews.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LA JUNTA AIR FORCE BASE, COLORADO		
4. PROJECT TITLE STR-COMPOSITE SUPPORT FACILITIES		5. PROJECT NUMBER MNDJ870018

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
	(a) Date Design Started	85 APR 01
	(b) Percent Complete as of January 1986	55
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 17
(2) Basis		
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - BELLE FO	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a) Production of Plans and Specifications	118
	(b) All Other Design Costs	0
	(c) Total	118
	(d) Contract	8
	(e) In-house	110
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LA JUNTA, COLORADO	4 PROJECT TITLE STRATEGIC TRAINING RANGE (STR) SITE-UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 1.18.97	6 CATEGORY CODE 721-312	7 PROJECT NUMBER MNDJ870020	8 PROJECT COST ($000) 1,750

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC TRAINING RANGE (STR) SITE - UNACCOMPANIED ENLISTED PERSONNEL HOUSING (24 PN)	SF	6,500	60	390
SUPPORTING FACILITIES				1,190
UTILITIES	LS			(450)
PAVEMENTS	LS			(340)
SITE IMPROVEMENTS	LS			(340)
COMMUNICATIONS	LS			(60)
SUBTOTAL				1,580
CONTINGENCY (5%)				79
TOTAL CONTRACT COST				1,659
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				91
TOTAL REQUEST				1,750

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a permanent masonry building with reinforced concrete foundation, floor and roof system. Project includes space for 24 unaccompanied enlisted personnel, kitchenettes, pavements, utilities, site improvements and other necessary support. Air Conditioning: 20 Tons. Grade Mix: 16 E1-4; 8 E5-6.

11. REQUIREMENT: 24 PN ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a new unaccompanied enlisted personnel housing facility with kitchenettes.

REQUIREMENT: Adequate facilities, properly sized and configured, are required to house unaccompanied enlisted personnel assigned to this site. Kitchenettes are required in lieu of providing a central dining facility.

CURRENT SITUATION: There are no dormitory/dining facilities at La Junta. Assigned personnel are currently living on the local economy which is both expensive and does not always meet acceptable living standards. Available housing has minimal owner maintenance, no insulation and high utility costs.

IMPACT IF NOT PROVIDED: If this project is not provided, assigned personnel will be forced to continue to live in inadequate, high cost off-base housing. This will have an adverse impact on their morale and well being which will have a detrimental effect on their work performance and the site's capability to provide adequate support for training of bomber flight crews.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LA JUNTA AIR FORCE BASE, COLORADO		
4. PROJECT TITLE STR-UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER MNDJ870020

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 APR 01
(b) Percent Complete as of January 1986	90
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 17

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - BELLE FOURCHE

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	50
(b) All Other Design Costs	0
(c) Total	50
(d) Contract	3
(e) In-house	47

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LA JUNTA, COLORADO	4 PROJECT TITLE STRATEGIC TRAINING RANGE (STR) SITE - TECHNICAL OPERATIONS FACILITY

5 PROGRAM ELEMENT 1.18.97	6 CATEGORY CODE 141-454	7 PROJECT NUMBER MNDJ870019	8 PROJECT COST ($000) 1,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC TRAINING RANGE (STR) SITE - TECHNICAL OPERATIONS FACILTIY	SF	8,000	96	768
SUPPORTING FACILITIES				405
UTILITIES	LS			(150)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(150)
COMMUNICATIONS	LS			(30)
SUBTOTAL				1,173
CONTINGENCY (5%)				59
TOTAL CONTRACT COST				1,232
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				68
TOTAL REQUEST				1,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of a unit technical operations building, concrete foundation and floor slab, masonry walls and built-up roof, utilities and other necessary support. Air Conditioning: 25 Tons.

11. REQUIREMENT: 8,000 SF ADEQUATE: 0 SF SUBSTANDARD: 5,632 SF

PROJECT: Construct a new technical operations facility.

REQUIREMENT: Adequate facilities, properly sized and configured, are required to provide support to bomber flight crews undergoing proficiency training.

CURRENT SITUATION: The technical operations functions are currently housed in a series of temporary trailers linked together in a patchwork manner. These trailers are too small, ill-configured and deteriorated to be used in a fixed permanent STR site. They have roof leaks and aging utilities and cannot be economically repaired or upgraded.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate facilities will not be available to support a fixed permanent STR site required to provide proficiency training for bomber flight crews.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LA JUNTA AIR FORCE BASE, COLORADO		
4. PROJECT TITLE STR-TECHNICAL OPERATIONS FACILITY		5. PROJECT NUMBER MNDJ870019

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 APR 01
(b) Percent Complete as of January 1986	55
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 17

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - BELLE FO

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	83
(b) All Other Design Costs	0
(c) Total	83
(d) Contract	8
(e) In-house	75

(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

LA JUNTA RADAR BOMB SCORING (RBS) SITE, COLORADO

4. PROJECT TITLE STRATEGIC TRAINING RANGE (STR) SUPPORT AND LAND ACQUISITION	5. PROJECT NUMBER MNDJ870016

($000)

LAND ACQUISITION MNDJ870017	SCOPE: 38 AC CATEGORY CODE: 911-146	COST: $260
REQUIREMENT: 38 AC	ADEQUATE: 0	SUBSTANDARD: 0

Acquire approximately 38 acres of land on which the construction of support facilities for a fixed permanent STR site can be accommodated. Land is required in two parcels, eight acres for the technical operations facility and 30 acres for the composite support facilities. The operations area requires space for security fencing and clearances, a sewage lagoon, access road and minimum safety clearance for radar equipment. The composite support area requires sufficient space to accommodate the composite support facility, unaccompanied enlisted housing, vehicle/equipment maintenance shop, outdoor recreational facilities and family housing planned for this site. Current STR operations are located on land near the edge of an old runway being leased from the local municipality. There are no existing personnel support facilities, requiring assigned personnel to live and work on the local economy which is expensive and inadequate. There is no government owned land in the area available for this use. If this project is not provided, the fixed permanent site required to provide proficiency training for bomber flight crews cannot be built and STR support functions and personnel would be required to continue to live and operate under substandard and inadequate conditions.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LORING AIR FORCE BASE, MAINE	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 0.93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	427	2,968	427	0	0	0	0	0	0	3,822
b. END FY 19 91	457	3,135	457	0	0	0	0	0	0	4,049

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (9,783)	
b. INVENTORY TOTAL AS OF 30 Sept 85	280,600
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	18,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,200
g. REMAINING DEFICIENCY	51,500
h. GRAND TOTAL	374,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113-321	Aircraft Parking Apron and Hydrant Fueling System with CASS Provisions-Phase I	LS	12,200	Sep 84	Jul 86
422-264	Alter Weapons Storage Area	LS	1,300	Jun 85	Aug 86
	Total		13,500		

9. Future Projects: Included in Following Program (FY 88):

171-212	KC-135 CPT Simulator Facility	3,500 SF	900
211-183	T-9 Noise Suppressor Support Facility	LS	800
411-135	Jet Fuel Storage Facilities	100,000 BL	3,300
721-312	Senior Unaccompanied Enlisted Personnel Housing	219 PN	7,200
800-000	Energy Conservation Investment Program	LS	6,000
	Total		18,200

10. Mission or Major Functions: Active mission support activities include a heavy bombardment operational wing including one B-52 squadron and two KC-135 squadrons which maintain a bomber and tanker alert force; and a Tactical Air Command tenant fighter interceptor squadron of F-106's (to convert to F-15's).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LORING AIR FORCE BASE, MAINE	4 PROJECT TITLE AIRCRAFT PARKING APRON AND HYDRANT FUELING SYS WITH CASS PROVISIONS - PHASE I

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	113-321	NRCH8600301	12,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT PARKING APRON AND HYDRANT FUELING SYS WITH CASS PROVISIONS-PHASE I	LS			8,744
HYDRANT FUELING SYSTEM	LS			(5,232)
AIRCRAFT DISPENSING	LS			(278)
APRONS HEAVY DUTY	SY	7,400	99	(733)
APRONS LIGHT DUTY	SY	9,700	35	(340)
AIRFIELD PAVEMENTS-HEAVY DUTY FLEX	SY	20,600	47	(968)
PAVE SHOULDERS FLEX	SY	49,700	24	(1,193)
SUPPORTING UTILITIES				2,325
UTILITIES	LS			(560)
PAVEMENTS	LS			(80)
SITE IMPROVEMENTS	LS			(1,685)
SUBTOTAL				11,069
CONTINGENCY (5%)				553
TOTAL CONTRACT COST				11,622
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				639
TOTAL REQUEST				12,261
TOTAL REQUEST (ROUNDED)				12,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Phase one of a two-phase project to construct five hardstands, shoulders and driveways. Includes new 4,800 gallon/minute (GPM) pressurized fuel system and pump house, provisions for a Centralized Aircraft Support System (CASS) and supporting facilities. Includes upgrading the present active fuel system.

11. REQUIREMENT: As Required.

PROJECT: Construct new aircraft parking apron and hydrant fueling system with provisions for a CASS.

REQUIREMENT: Adequate aircraft parking apron, hydrant fueling capability and aircraft maintenance support are required to accommodate B-52 bombers and KC-135 tankers that are assigned to and must operate out of Loring AFB in support of a conventional weapons scenario. These facilities are needed to insure timely recovery, turnaround, parking and maintenance of the aircraft and to reduce safety concerns with towing and maneuvering of aircraft, especially during inclement weather.

CURRENT SITUATION: Existing aircraft apron and taxiways are not large enough, properly configured or located to support aircraft parking associated with the B-52 aircraft or the aircraft that must operate out of this base during contingency situations. Enhanced operations as a result of a contingency or wartime scenario will cause launch and recovery of aircraft to be hazardous and congested due to blockage of existing taxiways, inadequate parking areas and lack of sufficient hydrant fueling outlets. The existing hydrant fueling system is over 30 years old, designed and built to service B-47 aircraft, has extensive corrosion, is obsolete in that components are no longer available,

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LORING AIR FORCE BASE, MAINE		
4. PROJECT TITLE AIRCRAFT PARKING APRON AND HYDRANT FUELING SYSTEM WITH CASS PROVISIONS - PHASE I		5. PROJECT NUMBER NRCH8600301

has severe electrical problems due to water infiltration, is not located near and does not have adequate flow necessary to support assigned aircraft. The current layout of the hydrant system is not compatible with the B-52 which necessitates excessive towing and manuevering. Inclement weather, such as ice and snow, and existing inclined taxiways make towing operations extremely difficult, hazardous and seriously impedes traffic flow. The existing situation results in increased servicing and turnaround time with associated increases in use of support equipment and personnel requirements. This project will provide the first of two phases of construction required to provide adequate parking apron, taxiways, hydrant refueling system and CASS provisions necessary to alleviate the congested aircraft operations and support the base mission.

IMPACT IF NOT PROVIDED: Timely launch and recovery, turnaround, maintenance and parking of aircraft cannot be accomplished in support of a contingency or wartime scenario. In addition, hazardous and unsafe conditions will continue to exist. This would have an adverse impact on the base's capability to support a conventional weapons mode for B-52 bombers which would be detrimental to national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LORING AIR FORCE BASE, MAINE		
4. PROJECT TITLE AIRCRAFT APRON AND REFUELING SUPPORT-PHASE I		5. PROJECT NUMBER NRCH860030

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 SEP 25
(b) Percent Complete as of January 1986	85
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUL 01
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	809
(b) All Other Design Costs	50
(c) Total	859
(d) Contract	790
(e) In-house	69
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION LORING AIR FORCE BASE, MAINE	4. PROJECT TITLE ALTER WEAPONS STORAGE AREA

5. PROGRAM ELEMENT .2.80.30	6. CATEGORY CODE 422-264	7. PROJECT NUMBER NRCH820034	8. PROJECT COST ($000) 1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER WEAPONS STORAGE AREA	LS			749
ALTER STORAGE IGLOOS	EA	22	11,000	(242)
FENCING	LF	7,000	25	(175)
ROADS	SY	5,100	65	(332)
SUPPORTING FACILITIES				370
UTILITIES	LS			(190)
SITE IMPROVEMENTS	LS			(180)
SUBTOTAL				1,119
CONTINGENCY (10%)				112
TOTAL CONTRACT COST				1,231
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				68
TOTAL REQUEST				1,299
TOTAL REQUEST (ROUNDED)				1,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION Repair broken slabs, cracked walls, heaved retaining walls and deteriorated concrete. Rewire interior electric in all igloos. Repair doors and thresholds. Restore exterior distribution system, service connections, replace service panels. Provide new perimeter security fense and new crossover road. Repair roadways with leveling course and overlay. Restore drainage ditches and install new culverts. Clear vegetation over entire area.

11. REQUIREMENT: As required.

PROJECT: Upgrade of the existing Weapons Storage Area (WSA).

REQUIREMENT: A secure area is required in which the storage and buildup of conventional munitions can be accommodated. The area must provide storage capability for two War Reserve Material (WRM) Strategic Conventional Air Munitions Packages (SCAMPs). Project includes repair of twenty two igloos, pavements and walls, security fencing, area lighting, roads, clearing, munitions shed and gatehouse.

CURRENT SITUATION: The existing WSA has not been used since 1967 and is in a state of total disrepair. Existing igloos have broken slabs, cracked walls and deteriorated concrete. Electrical distribution systems service connections, panels and internal wiring are deteriorated and must be replaced. Roads and culverts are damaged and the entire area is overgrown with vegetation. Lightning arresters are missing or damaged. There is no munitions maintenance shop in the storage area nor security fence around its perimeter.

IMPACT IF NOT PROVIDED: The base cannot accommodate its conventional bombing mission in the overall strategic defense plan for the United States which would have an adverse impact on national security.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION LORING AIR FORCE BASE, MAINE		
4 PROJECT TITLE ALTER WEAPONS STORAGE AREA		5. PROJECT NUMBER NRCH820034

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUN 03
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	73
(b) All Other Design Costs	33
(c) Total	106
(d) Contract	82
(e) In-house	24

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.09

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	539	3,151	501	0	0	0	0	0	0	4,191
b. END FY 19 91	655	3,519	509	0	0	0	0	0	0	4,683

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,661)	
b. INVENTORY TOTAL AS OF 30 Sept 85	177,040
c. AUTHORIZATION NOT YET IN INVENTORY	1,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,430
g. REMAINING DEFICIENCY	23,280
h. GRAND TOTAL	235,250

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-312	Alter Unaccompanied Enlisted Personnel Housing	288	3,800	May 85	Jul 86

9. Future Projects: (a) Included in Following Program (FY 87):

510-001	Composite Medical Facility	161,500 SF	17,000
721-312	Alter Unaccompanied Enlisted Personnel Housing	194 PN	2,400
	Total		19,400

(b) Typical Planned Next Three Years:

14-425	Vehicle Maintenance Shop	5,540 SF	780
740-235	Family Support Center	3,500 SF	600
812-235	Alter Electric Distribution System	LS	4,000

10. Mission or Major Functions: This base hosts a strategic missile wing with four Minuteman missile squadrons or maintain a continuous alert posture. The base also has an aerospace rescue and recovery detachment with H-1 helicopters, and a combat support group.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA	4 PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER NZAS874001	8 PROJECT COST ($000) 3,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (288 PN)	SF	76,000	40	3,040
SUPPORTING FACILITIES				235
COMMUNICATIONS	LS			(55)
UTILITIES	LS			(40)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(40)
SUBTOTAL				3,275
CONTINGENCY (10%)				328
TOTAL CONTRACT COST				3,603
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				198
TOTAL REQUEST				3,801
TOTAL REQUEST (ROUNDED)				3,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Convert to semiprivate bathrooms, upgrade existing mechanical, electrical, lighting, fire protection systems; install prewiring, thermal windows and doors, upgrade laundry rooms and construct storage areas. GRADE MIX: 288 E1 - E4.

11. REQUIREMENT: 1,713 PN ADEQUATE: 1,042 PN SUBSTANDARD: 700 PN

PROJECT: Alter three unaccompanied enlisted housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in the 1950's and 1960's. They lack privacy, have poor lighting, insulation and sound attenuation, obsolete electrical and mechanical systems, central latrines, inadequate fire protection, no secure personal storage and no individual room temperature controls, and have a generally poor aesthetic environment. This project will provide upgraded facilities which meet current Air Force living standards.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER NZAS874001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 16
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 07

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	130
(b)	All Other Design Costs	150
(c)	Total	280
(d)	Contract	175
(e)	In-house	105

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.18

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	724	3,224	924	0	120	0	0	0	0	4,992
b. END FY 1991	744	3,318	933	0	120	0	0	0	0	5,115

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (7,916)	
b INVENTORY TOTAL AS OF 30 Sept 85	162,940
c AUTHORIZATION NOT YET IN INVENTORY	9,000
d AUTHORIZATION REQUESTED IN THIS PROGRAM	16,640
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f PLANNED IN NEXT THREE PROGRAM YEARS	11,100
g REMAINING DEFICIENCY	30,320
h GRAND TOTAL	230,000

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
121-122	KC-10 Hydrant Fueling System with CASS Provisions	LS	13,600	Jan 83	Jul 86
211-183	T-9 Noise Suppressor Support Facility	LS	840	May 85	Jul 86
610-286	Air Division Headquarters (Appropriation only)	19,000 SF	2,200*	Jun 84	Feb 86
	Total Appropriation Request		16,640		
	Total Authorization Request		14,440		
	Carry-over Authorization in FY 86		2,200*		

Future Projects: (a) Included in Following Program (FY 88):

None

(b) Typical Planned Next Three Years:

219-944	Base Engineer Complex	73,400 SF	6,300
610-120	Base Supply Administrative Facility	LS	900
722-351	Dining Hall	LS	3,900

10. Mission or Major Functions: Active mission support activities include a numbered headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a KC-135 squadron which maintains a tanker alert force; a regional hospital which provides medical care to Department of Defense beneficiaries; Air Force Reserve F-4C and C-130B tenants; and a KC-135 tenant heavy air refueling wing performing training to maintain combat readiness with the KC-135 unit supporting operational tanker requirements and maintaining a tanker alert force; and the beddown location for two heavy aerial refueling squadrons of KC-10 aircraft, one active and one reserve.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE KC-10 HYDRANT FUELING WITH CASS PROVISIONS

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.72.22	121-122	PCZP850004	13,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
KC-10 HYDRANT FUELING WITH CASS PROVISIONS	LS			11,130
SUPPORTING FACILITIES				1,090
COMMUNICATIONS SUPPORT	LS			(450)
UTILITIES	LS			(640)
SUBTOTAL				12,220
CONTINGENCY (5%)				611
TOTAL CONTRACT COST				12,831
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				706
TOTAL REQUEST				13,537
TOTAL REQUEST (ROUNDED)				13,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION The 3,600 gallons per minute (gpm) hydrant fueling system shall have 20 1,200 GPM outlets. Reactivate a 30,000 barrel tank, new pumphouses, control house and necessary utilities.

11. REQUIREMENT: 20 EA ADEQUATE: 0 , SUBSTANDARD: 40 EA

PROJECT: Construction of a new aircraft hydrant fueling system with provisions for the installation of a central aircraft support system (CASS) to service KC-10 tanker aircraft assigned to this base.

REQUIREMENT: Adequate hydrant refueling capability is required to meet the refueling demands of the KC-10 aircraft. The system must be sized to service three aircraft simultaneously to meet aircraft turnaround times in support of the world-wide contingency mission. Provisions for the installation of a CASS must be provided to reduce dependence on mobile and portable support equipment (SE) which is fuel and manpower intensive.

CURRENT SITUATION: The existing hydrant fueling systems were installed in the 1950's and 1960's to support B-47 bombers and KC-97 tankers stationed at March AFB during that time. They do not have sufficient pumping capacity at only 350(GPM), outlet capacity or proper spacing to service KC-10. Pavement strength is inadequate to support the KC-10 and there is insufficient operating storage capacity for fuel within the systems. Use of refueling vehicles is not feasible due to the large capacity of the aircraft (55,000 gallons) compared to the capacity of a refueling truck at 5,000 gallons. This would not support the turnaround times required to support the KC-10 world-wide contingency mission. A central aircraft support system (CASS) does not exist at this base, which

1. COMPONENT AIR FORCE	FY 19$\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE KC-10 HYDRANT FUELING WITH CASS PROVISIONS		5. PROJECT NUMBER PCZP850004

requires that aircraft be maintained and serviced with multiple pieces of mobile and/or portable SE. This is inefficient and would increase fuel consumption, manpower requirements and aircraft turnaround times. IMPACT IF NOT PROVIDED: KC-10 aircraft would not be serviced in a timely manner necessary to support their world-wide contingency mission.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE KC-10 - HYDRANT FUELING WITH CASS PROVISIONS		5. PROJECT NUMBER PCZP850004

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	83 JAN 26
(b)	Percent Complete as of January 1986	50
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 11

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	556
(b)	All Other Design Costs	190
(c)	Total	746
(d)	Contract	604
(e)	In-house	142

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE AIR DIVISION HEADQUARTERS

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-286	7. PROJECT NUMBER PCZP813605	8. PROJECT COST ($000) 2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIR DIVISION HEADQUARTERS	SF	19,000	80	1,520
SUPPORTING FACILITIES				445
UTILITIES	LS			(150)
SITE IMPROVEMENTS	LS			(30)
DEMOLITION	LS			(50)
PAVEMENTS	LS			(105)
SEISMIC	LS			(110)
SUBTOTAL				1,965
CONTINGENCY (5%)				98
TOTAL CONTRACT COST				2,063
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				113
TOTAL REQUEST				2,176
TOTAL REQUEST (ROUNDED)				2,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, steel front with masonry walls, built-up roof. Includes utilities and all necessary support. Areas includes office, storage and support. Air Conditioning: 80 Tons.

11. REQUIREMENT: 19,000 SF ADEQUATE: 0 SUBSTANDARD: 11,000 SF

PROJECT: Construct an Air Division Headquarters.

REQUIREMENT: An adequate headquarters facility near the recently constructed Regional Operational Center (ROCC) is required for the 26th Air Division (AD) staff. The Air Division Commander and his staff control all the air defense assets in the region to include the ROCC, radar sites and interceptor fighter aircraft. Air Division and ROCC personnel continually evaluate computer data on unidentified aircraft and take operational action accordingly.

CURRENT SITUATION: The 26th AD Headquarters was relocated from Luke AFB to March AFB because numerous functions interface with ROCC personnel daily. The Air Division Headquarters must be located in close proximity for immediate access to the ROCC for effective command and control. The 26th AD is temporarily housed in the widely separated buildings, which are not in close proximity to the ROCC. Base functions, which had valid requirements for occupancy of the space, were displaced. Space allocation for the 26th AD is less than two thirds of the headquarter's requirement. Work areas are severely crowded with decreased personnel output, efficiency and morale. Command and contol of air defense activities is degraded because of the distance between the ROCC and the 26th AD buildings. Upon completion of this project, the existing facilities will revert to base use to alleviate deficiencies in the Weather Squadron and Field Training Detachment. No other base buildings

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE AIR DIVISION HEADQUARTERS		5. PROJECT NUMBER PCZP813605

are available to meet the 26th AD beddown facility requirement.
IMPACT IF NOT PROVIDED: The Air Division will continue to operate from limited substandard space. This will result in a lack of command and control authority in the ROCC, with consequent severe Air Defense mission degradation.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE AIR DIVISION HEADQUARTERS		5. PROJECT NUMBER PCZP813605

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 JUN 30
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 FEB 03

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	163
(b) All Other Design Costs	20
(c) Total	183
(d) Contract	132
(e) In-house	51

(4) Construction start 86 MAY

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 0.94

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	479	2,664	416	0	88	0	0	0	0	3,627
b. END FY 1991	387	2,923	412	0	88	0	0	0	0	3,810

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,070)	
b. INVENTORY TOTAL AS OF 30 Sept 85	101,770
c. AUTHORIZATION NOT YET IN INVENTORY	71,490
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	35,740
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	63,090
g. REMAINING DEFICIENCY	29,110
h. GRAND TOTAL	305,400

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	B-1B Beddown Support Facilities-Phase II	LS	32,160	Jan 85	Nov 86
121-122	KC-135 Hydrant Fueling System	LS	2,600	Feb 85	Jul 86
872-247	Security Improvements	LS	980	Jun 85	Apr 86
	Total		35,740		

9. Future Projects: (a) Included in Following Program (FY 88):

724-417	Visiting Officer Quarters	70 PN	4,200

(b) Typical Planned Next Three Years:

422-264	Munitions Storage Igloos	LS	14,360
510-001	Composite Medical Facility	116,750 SF	22,000
740-236	Chapel Center	13,300 SF	2,500
800-000	Energy Conservation Investment Program	LS	2,600

10. Mission or Major Functions: Active mission support activities include a Titan II intercontinental ballistic missile wing (currently being deactivated); a KC-135 air refueling wing with two squadrons which maintain a tanker alert force; the fourth B-1B base; and a tenant Air National Guard F-4D tactical fighter group.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	460
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B BEDDOWN SUPPORT FACILITIES - PHASE II

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 100-000	7 PROJECT NUMBER PRQE870000	8 PROJECT COST ($000) 32,160

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B BEDDOWN SUPPORT FACILITIES - PHASE II	LS			32,160
ALTER AIRCRAFT MAINTENANCE HANGARS	LS			(11,970)
FLIGHT SIMULATOR TRAINING FACILITY	SF	18,600		(3,660)
AIRFIELD PAVEMENTS	LS			(2,740)
ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOPS	LS			(2,740)
ADD TO AND ALTER OPERATIONS AND MAINTENANCE FACILITIES	LS			(2,000)
MOBILITY CENTER	SF	24,000		(1,950)
ADD TO AND ALTER AIRCRAFT MAINTENANCE MANAGEMENT FACILITY	SF	20,000		(1,900)
ADD TO AND ALTER SUPPORT EQUIPMENT AND STORAGE FACILITY	LS			(1,250)

(CONTINUED ON NEXT PAGE)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct new and add to and alter existing facilities essential for the beddown of the B-1B mission. Includes reinforced concrete foundations and floor slabs, structural frames, masonry walls, roof systems, CASS equipment and installation, all structural, electrical and mechanical work necessary to alter existing facilities, pavements, blast deflectors, security, utilities and other necessary support.

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11. REQUIREMENT: As required.

PROJECT: Construct new and add to and alter existing facilities to support the continued beddown of the new B-1B aircraft mission.

REQUIREMENT: Facilities are required to support the various maintenance, checkout and inspection activities associated with the continued beddown of the new B-1B bomber with Short Range Attack Missile (SRAM) and gravity nuclear weapons systems assigned to this base.

CURRENT SITUATION: Existing facilities are now being used by the currently assigned KC-135 tanker aircraft mission. The KC-135 mission will remain with the arrival of the B-1B bomber. Existing facilities are inadequate to support the beddown of the B-1B bomber. Alteration of existing facilities and construction of new facilities are required to meet mission requirements. New facilities are planned only when there is no existing facility available or an existing facility cannot be altered.

IMPACT IF NOT PROVIDED: The continued beddown of the new B-1B bomber with its SRAM/gravity nuclear weapons system cannot be accomplished in a timely manner to support the full deployment of the B-1B. This would have an adverse impact on our strategic deterrent and retaliatory capability which would be detrimental to national security.

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE

3 INSTALLATION AND LOCATION
MCCONNELL AIR FORCE BASE, KANSAS

4 PROJECT TITLE
B-1B BEDDOWN SUPPORT FACILITIES - PHASE II

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.11.26	100-000	PRQE870000	32,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BLOCK 9. COST ESTIMATES (CONTINUED)				
CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION	EA	11		(1,200)
HEAVY EQUIPMENT MAINTENANCE FACILITY	SF	11,000		(1,050)
BLAST DEFLECTORS	EA	22		(960)
ADD TO AND ALTER PRECISION MEASUREMENT EQUIPMENT LABORATORY	SF	6,050		(500)
BASE ENGINEER MAINTENANCE MANAGEMENT FAC	SF	2,000		(240)
TOTAL REQUEST				32,160

10 DESCRIPTION OF PROPOSED CONSTRUCTION

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NEW FACILITIES OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (5.5%).

NOTE 2: THIS DD FORM 1391/1391C SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE B-1B BEDDOWN AT THIS BASE. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391/1391C.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE ALTER AIRCRAFT MAINTENANCE HANGARS

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 211-111	7 PROJECT NUMBER SGER862535	8 PROJECT COST ($000) 11,970

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AIRCRAFT MAINTENANCE HANGARS	LS			7,900
SUPPORTING FACILITIES				2,415
COMMUNICATIONS SUPPORT	LS			(45)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(1,230)
UTILITIES	LS			(630)
PAVEMENTS	LS			(65)
SITE IMPROVEMENTS	LS			(445)
SUBTOTAL				10,315
CONTINGENCY (10%)				1,032
TOTAL CONTRACT COST				11,347
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				624
TOTAL REQUEST				11,971
TOTAL REQUEST (ROUNDED)				11,970

10 DESCRIPTION OF PROPOSED CONSTRUCTION All structural, mechanical and electrical work necessary for renovation and modification of two existing hangar facilities. Includes general refurbishment, liquid coolant cart pads and coolanol loop systems for aircraft, ducting and hose connections to aircraft, 400 HZ power, fire protection, door apertures for docking positions, modify interior lighting, interior demolition, utilities, energy monitoring and other necessary support. Aircraft Air Conditioning: 160 Tons.

11. REQUIREMENT: 9 EA ADEQUATE: 3 EA SUBSTANDARD: 6 EA

PROJECT: Alteration of two existing facilities which contain six aircraft maintenance spaces.

REQUIREMENT: Adequate space is required in which aircraft maintenance can be performed on the new B-1B bomber being assigned to this base as well as the currently assigned KC-135 tanker.

CURRENT SITUATION: There are two existing aircraft maintenance facilities which can provide two fully covered and four partially covered dock and hangar spaces to house the new B-1B bomber as well as service the currently assigned KC-135 tankers. These two buildings were originally constructed as identical aircraft maintenance hangars. One is used as an aircraft hangar but the other houses administrative and shop functions in support of the Titan II missile. Space is available in both buildings to provide the required B-1B/KC-135 aircraft maintenance areas as well as other requirements. Alterations are necessary to provide the unique requirements needed to support the B-1B.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE ALTER AIRCRAFT MAINTENANCE HANGARS		5. PROJECT NUMBER SGER862535

IMPACT IF NOT PROVIDED: The beddown of the B-1B bomber cannot be completed in time to meet the scheduled delivery of the aircraft which could have an adverse impact on mission capability and national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B ALTER AIRCRAFT MAINTENANCE HANGARS		5. PROJECT NUMBER SGER862535

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 JAN 15
(b) Percent Complete as of January 1986		40
(c) Percent Complete as of October 1986		95
(d) Date Design Complete		86 NOV 30
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		340
(b) All Other Design Costs		0
(c) Total		340
(d) Contract		10
(e) In-house		330
(4) Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B - FLIGHT SIMULATOR TRAINING FACILITY

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 171-212	7 PROJECT NUMBER SGER862550	8 PROJECT COST ($000) 3,660

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT SIMULATOR TRAINING FACILITY	SF	18,600	130	2,418
SUPPORTING FACILITIES				885
UTILITIES	LS			(655)
PAVEMENTS	LS			(115)
SITE IMPROVEMENTS	LS			(115)
SUBTOTAL				3,303
CONTINGENCY (5%)				165
TOTAL CONTRACT COST				3,468
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				191
TOTAL REQUEST				3,659
TOTAL REQUEST (ROUNDED)				3,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(18,000)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct flight simulator training facility with reinforced concrete foundation, floor slab, masonry walls, and built-up roof system. Project includes high bay area for simulator, space for training, computer, mechanical, maintenance, technical and software support, storage, supply, latrines, fire protection, utilities and other necessary support. Air Conditioning: 30 Tons.

11. REQUIREMENT: 18,600 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a new flight simulator facility to accommodate a B-1B flight simulator.

REQUIREMENT: An adequate facility, properly sized and configured, is required to house the B-1B flight simulator scheduled to be delivered to McConnell AFB in FY 88. This simulator represents the latest advances and techniques which include large degree motion capability and visual display of the airborne environment. As a full mission simulator, it will permit the training of pilots in all phases of flight, including takeoffs and landings, and will be used to maintain proficiency of trained crews. Increased flight simulator time in relationship to actual flight time provides added crew proficiency with the benefit of reduced cost.

CURRENT SITUATION: There are no existing facilities at McConnell AFB in which a flight simulator can be adequately accommodated. Alteration or expansion of an existing facility is not feasible due to the high bay requirement.

IMPACT IF NOT PROVIDED: If this project is not provided, proficiency training of B-1B aircrews cannot be maintained which would have an adverse impact on our strategic defense and national security.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B FLIGHT SIMULATOR TRAINING FACILITY		5. PROJECT NUMBER SGER862550

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 MAY 23
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 11
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used - ELLSWORT	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	201
(b) All Other Design Costs	0
(c) Total	201
(d) Contract	200
(e) In-house	1
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURRING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000
B-1B Weapons System Trainer	3080	1985	18,00

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B AIRFIELD PAVEMENT

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 110-000	7 PROJECT NUMBER SGER862533	8 PROJECT COST ($000) 2,740

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B AIRFIELD PAVEMENT	LS			2,259
AIRFIELD AND OVERRUNS	SY	48,300	14	(676)
TAXIWAYS	SY	37,700	42	(1,583)
SUPPORTING FACILITIES				102
ROADS	LS			(20)
SITE IMPROVEMENTS	LS			(82)
SUBTOTAL				2,361
CONTINGENCY (10%)				236
TOTAL CONTRACT COST				2,597
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				143
TOTAL REQUEST				2,740

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a 1,000-foot asphalt overrun on each end of the primary runway and a 75-foot wide concrete taxiway with 50-foot wide asphalt shoulders from the alert aircraft parking area to the north end of the primary runway. Project includes removal of an arm/disarm revetment from the existing operational parking apron, relocation of two navigational aid transmissometers to facilitate siting of the taxiway, drainage and drainage structures, subdrain system with discharge lines, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct overruns and taxiway, remove arm/disarm revetment and relocate navigational aids to support the beddown of the B-1B bomber.

REQUIREMENT: Adequate airfield pavements including runway overruns, taxiways and supporting facilities are required to provide a safe and efficient environment for aircraft taking off, landing and taxiing at this base.

CURRENT SITUATION: Blast protective pavement is required at each end of the runway to protect the area against jet blast from the B-1B bomber during runup for takeoff. Existing runway overruns are only 250 feet long. This project will extend them by 750 feet to attain the 1,000 feet required for adequate protection. The existing taxiway from the aircraft parking apron to the primary runway does not permit direct access from the B-1B area to the runway. The existing arm/disarm revetment is located at the northwest edge of the parking apron and the transmissometers are located along the edge of the apron and interfere with the proposed siting and alignment of the new alert access taxiway.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE AIRFIELD PAVEMENT		5. PROJECT NUMBER SGZR862533

IMPACT IF NOT PROVIDED: If this project is not provided, required aircraft response time will be adversely affected which would be detrimental to mission capability and national security. In addition, adequate protection from jet blast will not be afforded the surrounding areas at the ends of the runway.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4 PROJECT TITLE B-1B AIRFIELD PAVEMENT		5. PROJECT NUMBER SGER862533

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 27
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	95
(d) Date Design Complete	86 NOV 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	260
(b) All Other Design Costs	0
(c) Total	260
(d) Contract	10
(e) In-house	250

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOPS

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 211-157	7 PROJECT NUMBER SGER862541	8 PROJECT COST ($000) 2,740

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOPS	LS			1,777
ADDITION	SF	8,700	112	(974)
ALTERATION	SF	73,000	11	(803)
SUPPORTING FACILITIES				585
COMMUNICATIONS	LS			(25)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(175)
UTILITIES	LS			(305)
PAVEMENTS	LS			(20)
SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				2,362
CONTINGENCY (10%)				236
TOTAL CONTRACT COST				2,599
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				143
TOTAL REQUEST				2,742
TOTAL REQUEST (ROUNDED)				2,740

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct additions to general purpose shop to provide space for an egress shop, composite shop, aircraft component storage, engine wash area, supply point and repairable asset control center. Alter existing general purpose shop to provide an expanded hydraulics shop, a new jet engine intermediate maintenance facility area, office space for engine shop personnel, sound attenuating walls along the corridor of the structural repair and the machine shop, 5-ton capacity bridge crane with hoist and interior remodeling to provide administrative and storage areas, utilities and other necessary support.

11. REQUIREMENT: 81,700 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Add to and alter an existing aircraft maintenance shop facility to provide for unique functions required to support the beddown of the B-1B bomber at this base.

REQUIREMENT: Adequate space, properly sized and configured, is required to provide maintenance support for the B-1B.

CURRENT SITUATION: Existing maintenance support facilities are geared to service the KC-135 tanker aircraft. They do not have the unique power and maintenance support requirements necessary to support the B-1B. Collocation of these functions with existing KC-135 support activities is required to conserve space and maximize use of existing facilities. Additions to the existing building are necessary to provide space for an egress shop, composite shop, aircraft component storage, engine wash area, supply point and repairable asset control center. Alterations are required to expand the hydraulics shop, provide a new jet engine intermediate maintenance area, administrative support space,

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B - ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOPS	5. PROJECT NUMBER SGER862541	

sound attenuation, bridge crane with hoist, storage area, interior refurbishment and utilities. This project will support field level maintenance, including disassembly and assembly functions for the B-1B aircraft engines, auxiliary power units and accessory drive gearboxes. IMPACT IF NOT PROVIDED: Without this project, maintenance and repair of B-1B jet engines and associated general purpose aircraft maintenance cannot be provided which would be detrimental to mission accomplishment and national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOPS		5. PROJECT NUMBER SGER862541

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 JAN 15
(b) Percent Complete as of January 1986		40
(c) Percent Complete as of October 1986		95
(d) Date Design Complete		86 NOV 30
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		124
(b) All Other Design Costs		0
(c) Total		124
(d) Contract		9
(e) In-house		115
(4) Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B ADD TO AND ALTER OPERATIONS AND MAINTENANCE FACILITIES

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 100-000	7 PROJECT NUMBER SGER862539	8 PROJECT COST ($000) 2,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B ADD TO AND ALTER OPERATIONS AND MAINTENANCE FACILITIES	LS			1,010
ALTER MUNITIONS MAINTENANCE SHOPS	LS			(50)
ALTER AIRCREW ENHANCEMENT FACILITY	SF	21,000	10	(210)
ADD TO AND ALTER ALERT CREW FACILITY	SF	27,400	15	(411)
ADD TO ENGINEER MAINTENANCE SHOP	SF	1,000	90	(90)
ALTER NON-DESTRUCTIVE INSPECTION SHOP	LS			(50)
POWER CHECK PAD	LS			(199)
SUPPORTING FACILITIES				713
COMMUNICATIONS AND UTILITIES	LS			(140)
ROADS AND PARKING	LS			(525)
SITE IMPROVEMENTS	LS			(48)
SUBTOTAL				1,723
CONTINGENCY (10%)				172
TOTAL CONTRACT COST				1,895
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				104
TOTAL REQUEST				1,999
TOTAL REQUEST (ROUNDED)				2,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct additions to existing facilities, relocate existing facilities and provide all electrical, mechanical and structural work necessary to provide adequate support for the beddown of the B-1B bomber. Project includes vehicle parking, power check pad, alert crew facility with study rooms, dining room, kitchen, storage and lounge, alert crew visitor center by relocating outdoor support area and equipment and erecting privacy fence, non-destructive inspection (NDI) shop with crane hoist, munitions maintenance with administrative, supervision and services support, relocate aircrew enhancement (ACE) activity, communications, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Add to and alter various operations and maintenance facilities to provide adequate support for the B-1B beddown.

REQUIREMENT: Adequate space and support facilities, properly sized, configured and located are required to support the continued beddown of the B-1B bomber being assigned to this base.

CURRENT SITUATION: A power check pad is required to permit aircraft engine run-up for maintenance checks on th B-1B bomber. The base does not have a power check pad suitably located to satisfy B-1B requirements. Add to and alter the existing alert crew readiness facility to provide additional study rooms, enlarge dining, kitchen and storage space and expand the lounge area to support B-1B aircrews on alert. Alter the alert crew visitors center to relocate outdoor support

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B - ADD TO AND ALTER OPERATIONS AND MAINTENANCE FACILITIES		5. PROJECT NUMBER SGER862539

area and equipment out of the security clear zone for the B-1B aircraft. Erect a privacy fence around the area to meet the security requirements for aircraft on alert. Alter the non-destructive inspection (NDI) laboratory to increase the crane hoist capacity to permit processing of heavier B-1B unique components. Alter space in an existing facility to accommodate munitions maintenance activities to include administrative, maintenance supervision and services functions. There is no existing munitions maintenance function on base. Alter an existing facility to provide for the relocation of the aircrew enhancement (ACE) function out of a facility that will be in the quantity/distance (Q/D) zone for explosives in the weapons storage area (WSA) approved in the FY 86 program. The existing ACE facility will be used for vehicle storage which does not require continuous occupancy by personnel and can be located within the Q/D zone. New vehicle parking areas are required to provide for privately owned vehicles which are not authorized to park in the secure areas around the B-1B aircraft. Personnel who work within these secure areas will not be permitted to park their privately owned vehicles in existing parking lots that are located within the B-1B security areas.
IMPACT IF NOT PROVIDED: If this project is not provided, full support cannot be given to the B-1B mission which would be detrimental to the readiness capability and national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B - ADD TO AND ALTER OPERATIONS AND MAINTENANCE FACILITIES		5. PROJECT NUMBER SGER862539

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 15
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	90
(d) Date Design Complete	86 NOV 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	0
(b) All Other Design Costs	0
(c) Total	0
(d) Contract	0
(e) In-house	0
(4) Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B MOBILITY CENTER

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 141-783	7 PROJECT NUMBER SGER872516	8 PROJECT COST ($000) 1,950

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B MOBILITY CENTER	SF	24,000	66	1,584
SUPPORTING FACILITIES				175
COMMUNICATIONS	LS			(25)
UTILITIES	LS			(80)
PAVEMENTS	LS			(45)
SITE IMPROVEMENTS	LS			(25)
SUBTOTAL				1,759
CONTINGENCY (5%)				88
TOTAL CONTRACT COST				1,847
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				102
TOTAL REQUEST				1,949
TOTAL REQUEST (ROUNDED)				1,950

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a mobility center with steel frame, sheet metal walls, sloped truss roof, and concrete spread foundations, and concrete floor. Includes space for storage of mobility bags and equipment, mobility control center, transportation control, air passenger and air cargo terminals, sub-motor pool, mobility processing, unit mobility work centers, utilities and other necessary support.

11. REQUIREMENTS: 24,000 SF ADEQUATE: 0 SUBSTANDARD: 11,760 SF

PROJECT: Construct a new mobility center for control and deployment of mobility forces.

REQUIREMENT: The control and deployment of mobility assets and forces require adequate facilities, properly sized, configured and located, in which to perform these functions. Area must include space for mobility bag, equipment and vehicle storage, work and control centers, transportation control, processing and cargo and passenger terminals.

CURRENT SITUATION: The existing mobility center will be located within the quantity/distance (Q/D) area for explosives when the new weapons storage area (WSA) is constructed under the FY 86 military construction program to support the B-1B and must be relocated outside the Q/D zone. The existing building will be converted to base engineer covered storage which is deficient in space and can be located within the Q/D zone because it is not continuously occupied.

IMPACT IF NOT PROVIDED: Mobility assets and forces will not have an adequate and safe facility in which to perform its functions. This would have an adequate effect on our capability to deploy mobility forces, supplies and equipment in the event of a contingency or national emergency which would be detrimental to our national security.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MCCONNELL AIR FORCE BASE, KANSAS

4. PROJECT TITLE B-1B MOBILITY CENTER	5. PROJECT NUMBER SGER872516

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JAN 15
	(b)	Percent Complete as of January 1986	40
	(c)	Percent Complete as of October 1986	95
	(d)	Date Design Complete	86 NOV 30
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	123
	(b)	All Other Design Costs	0
	(c)	Total	123
	(d)	Contract	99
	(e)	In-house	24
(4)	Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B ADD TO AND ALTER AIRCRAFT MAINTENANCE MANAGEMENT FACILITY

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 610-129	7 PROJECT NUMBER PROE875039	8 PROJECT COST ($000) 1,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B ADD TO AND ALTER AIRCRAFT MAINTENANCE MAINTENANC MANAGEMENT FACILITY	LS			1,468
MANAGEMENT FACILITY ADDITION	SF	20,000	70	(1,400)
MANAGEMENT FACILITY ALTERATION	LS			(68)
SUPPORTING FACILITIES				169
UTILITIES	LS			(50)
DEMOLITION	LS			(60)
SITE IMPROVEMENT	LS			(18)
ROADS AND WALKS	SY	2,100	17	(41)
SUBTOTAL				1,637
CONTINGENCY (10%)				164
TOTAL CONTRACT COST				1,801
SIOH (5.5%)				99
TOTAL REQUEST				1,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct an addition to an existing facility with reinforced concrete foundation and floor slab, masonary walls and roof system. Alteration to include all structural, mechanical and electrical work, including demolition of existing substandard wood frame portion, necessary to provide an adequate aircraft maintenance management facility. Project includes maintenance management and control and plans and scheduling space, utilities and other necessary support.

11. REQUIREMENT: 20,000 SF ADEQUATE: 0 SUBSTANDARD: 14,520 SF

PROJECT: Construct an addition to and alter an existing facility for use as an aircraft maintenance management facility.

REQUIREMENT: Adequate space, properly sized and configured, is required to provide for aircraft maintenance management and control along with plans and scheduling functions.

CURRENT SITUATION: Aircraft maintenance management activities are currently located in other existing facilities programmed for functions in direct support of the B-1B beddown. The existing facility to be expanded and altered now has a portion that is wood frame, deteriorated and too small to accommodate the deputy chief of maintenance and his staff. The wooden portion of the building will be demolished. The remaining portions of permanent masonry construction will be upgraded. Existing space currently occupied by these functions will be converted to munitions maintenance activities, weapons release maintenance and weapons bay fuel tank functions which are required to support the B-1B. This arrangement of functions is necessary to provide the most effective, efficient and economical use of existing facility resources to support the beddown of the B-1B.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B - ADD TO AND ALTER AIRCRAFT MAINTENANCE MANAGEMENT FACILITY		5. PROJECT NUMBER PRQE875039

IMPACT IF NOT PROVIDED: Without this and other related projects, adequate facilities, properly sized, configured and located, will not be available to support the beddown of the B-1B. This would be detrimental to our strategic defense and national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B ADAL AIRCRAFT MAINTENANCE MANAGEMENT FACILITY		5. PROJECT NUMBER PRQE875039

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 15
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	95
(d) Date Design Complete	86 NOV 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	83
(b) All Other Design Costs	0
(c) Total	83
(d) Contract	3
(e) In-house	80

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B ADD TO AND ALTER SUPPORT EQUIPMENT AND STORAGE FACILITY

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 218-712	7 PROJECT NUMBER SGER862543	8 PROJECT COST ($000) 1,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B ADD TO AND ALTER SUPPORT EQUIPMENT AND STORAGE FACILITY	LS			845
ADDITION	SF	10,000	70	(700)
ALTERATION	SF	14,500	10	(145)
SUPPORTING FACILITIES				290
COMMUNICATIONS SUPPORT	LS			(40)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(155)
UTILITIES	LS			(85)
SITE IMPROVEMENTS	LS			(10)
SUBTOTAL				1,135
CONTINGENCY (5%)				57
TOTAL CONTRACT COST				1,192
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				66
TOTAL REQUEST				1,258
TOTAL REQUEST (ROUNDED)				1,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct additions to the existing Support Equipment (SE) facility with reinforced concrete foundations and floor slabs, steel frames and roof systems to match existing building. Alteration to include all structural, mechanical and electrical work necessary to provide adequate SE facility. Project includes storage, shops, bridge crane and hoist, battery shop, fire protection, energy controls, lighting, power, communications support, compressor and piping, interior reconfiguration, overhead doors for outsized SE, insulation, windows, washrack, run-up room, liquid oxygen cart maintenance, increased vehicle fuel storage, pumping station, utilities, air conditioning and other necessary support.

11. REQUIREMENT: 38,600 SF ADEQUATE: 14,100 SF SUBSTANDARD: 14,500 SF

PROJECT: Construct additions to and alter the existing support equipment shop and storage facility.

REQUIREMENT: Adequate space, properly sized and configured, is required for maintenance and storage of SE required to support the B-1B bomber being assigned to this base. Initial SE space was provided in the FY 86 Military Construction Program (MCP). This project will provide the remaining space necessary to satisfy B-1B requirements.

CURRENT SITUATION: There is not sufficient existing adequate space which can be used for maintenance and storage of support equipment required by the B-1B. A portion of the requirement was included in the FY 86 MCP to provide for the initial beddown of the B-1B aircraft.

IMPACT IF NOT PROVIDED: If this project is not provided, total SE maintenance and storage will not be available to support the B-1B which would be detrimental to mission beddown and national security.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B ADD TO AND ALTER SUPPORT EQUIPMENT/STORAGE FACILITY		5. PROJECT NUMBER SGER862543

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 15
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	95
(d) Date Design Complete	86 NOV 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	108
(b) All Other Design Costs	0
(c) Total	108
(d) Contract	3
(e) In-house	105

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		4 PROJECT TITLE B-1B CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION	
5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 200-000	7 PROJECT NUMBER SGER872570	8 PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION	EA	11	80,000	880
SUPPORTING FACILITIES				205
UTILITIES	LS			(125)
COMMUNICATIONS	LS			(25)
SITE IMPROVEMENTS	LS			(55)
SUBTOTAL				1,085
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,139
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				63
TOTAL REQUEST				1,202
TOTAL REQUEST (ROUNDED)				1,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Installation of a Central Aircraft Support System (CASS) to provide electrical power, air start, conditioned air, liquid cooling and communications for 11 B-1B aircraft parked on the maintenance parking apron. Project includes electrical power, compressed air, and liquid coolant distribution center with mechanical ventilation, heating system, air piping and regulators liquid coolant piping and pumps, underground electrical power distribution, transformers, conditioned air and start air, mechanical distribution equipment, liquid coolant distribution equipment, service islands, utilities and other necessary support.

11. REQUIREMENT: 11 EA ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Acquisition and installation of CASS equipment necessary to complete the system for which the first phase underground provisions were included in the FY 86 Military Construction Program (MCP).

REQUIREMENT: An adequate CASS system is required to reduce fuel and manpower costs, improve efficiency and reduce dependence on portable support equipment. The CASS must include power, air, liquid coolant and conditioned air systems and communications support to be installed in the underground provisions included in the FY 86 MCP. This is the second phase of a two-phased project to provide a complete CASS to support the B-1B.

CURRENT SITUATION: There is no CASS at McConnell AFB at this time. Aircraft maintenance functions and activities are now accomplished and supported by the use of mobile support equipment which requires more fuel and manpower to operate. This project will reduce the need for support equipment and associated manpower and will provide a more efficient and effective method for maintaining assigned aircraft.

1. COMPONENT AIR FORCE	FY 19$\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	
4. PROJECT TITLE B-1B - CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) EQUIPMENT AND INSTALLATION	5. PROJECT NUMBER SGBR872570

IMPACT IF NOT PROVIDED: If this project is not provided, continued reliance on mobile support equipment with its increased fuel and manpower requirements will result in a less effective and efficient maintenance activity.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B CENTRAL AIRCRAFT SUPT SYS EQUIPMENT AND INSTALLATION		5. PROJECT NUMBER SGEF872570

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JAN 15
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	95
	(d) Date Design Complete	86 NOV 30
(2)	Basis	
	(a) Standard or Definitive Design -	Yes No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	265
	(b) All Other Design Costs	0
	(c) Total	265
	(d) Contract	0
	(e) In-house	265
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE B-1B HEAVY EQUIPMENT MAINTENANCE FACILITY

5 PROGRAM ELEMENT 1.11.26	6 CATEGORY CODE 219-944	7 PROJECT NUMBER SGER862509	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-1B HEAVY EQUIPMENT MAINTENANCE FACILITY	SF	11,000	72	792
SUPPORTING FACILITIES				150
COMMUNICATIONS	LS			(15)
UTILITIES	LS			(65)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(30)
SUBTOTAL				942
CONTINGENCY (5%)				47
TOTAL CONTRACT COST				989
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				54
TOTAL REQUEST				1,043
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, steel bar joists, metal deck with built-up roof system and insulation. Project includes drive through bays, training, supply, bench stock and tool rooms, administrative support for maintenance control, lockers, latrines, utilities and other necessary support.

11. REQUIREMENTS: 11,000 SF ADEQUATE: 0 SUBSTANDARD: 11,000 SF

PROJECT: Construct a heavy equipment maintenance facility.

REQUIREMENT: Adequate space, properly sized, configured and located, is required to perform maintenance on heavy equipment. The facility requires four drive-through bay areas, training, tire supply point, bench stock and tool rooms, administrative support, latrines with lockers and mechanical support space. Project includes fire detection and suppression system, demolition of a portion of an existing substandard facility in the way of construction and energy saving systems.

CURRENT SITUATION: Heavy equipment maintenance is currently being performed in an existing facility that is within the quantity/distance (Q/D) zone for explosives from the B-1B parked on the nearby aircraft parking apron. Since personnel occupied facilities are not permitted within the Q/D zone, the heavy equipment shop must be relocated outside the Q/D zone.

IMPACT IF NOT PROVIDED: If this project is not provided, maintenance of heavy equipment cannot be accomplished due to lack of an adequate and safe facility which would have an adverse impact on the base mission and the beddown of the B-1B.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE B-1B HEAVY EQUIPMENT MAINTENANCE FACILITY		5. PROJECT NUMBER SGER872509

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JAN 15
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	95
(d)	Date Design Complete	86 NOV 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	78
(b)	All Other Design Costs	0
(c)	Total	78
(d)	Contract	63
(e)	In-house	15

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

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1. COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION

MCCONNELL AIR FORCE BASE, KANSAS

4. PROJECT TITLE B-1B BEDDOWN SUPPORT FACILITIES - PHASE II	5. PROJECT NUMBER PRQE870000

($000)

BLAST DEFLECTORS — SCOPE: 22 EA — COST: 960
SGER862569 — CATEGORY CODE: 116-945

REQUIREMENT: 22 EA ADEQUATE: 0 SUBSTANDARD: 27 EA

Construct eight steel frame blast deflectors with corrugated steel blast surfaces to include six to support B-1B parking spaces and two modified deflectors to support two B-1B/KC-135 dual parking spaces; relocate 14 existing KC-135 blast deflectors and remove and salvage 13 remaining KC-135 deflectors. Each blast deflector will have sufficient anchors and height and be positioned on existing aircraft parking apron to include communications support and pavement markings. Adequate protection from erosion, noise, and foreign object damage is required during runup or start up of aircraft engines when parked on alert or on the parking apron. Existing blast defectors were designed to withstand jet blasts from KC-135 aircraft. They are not capable of withstanding the blasts from the B-1B bomber and are not high enough to block the blast force. Also, some will cause interference with the parking of the B-1B aircraft because of location. They will be removed or relocated to support the KC-135. If this project is not provided, adequate protection will not be available during engine runup or start up and nearby aircraft, people and facilities will be damaged.

ADD TO AND ALTER PRECISION
MEASUREMENT EQUIPMENT LABORATORY — SCOPE: 6,050 SF — COST: 500
SGER862544 — CATEGORY CODE: 218-868

REQUIREMENT: 6,050 SF ADEQUATE: 0 SUBSTANDARD: 4,400 SF

Add to and alter the existing precision measurement equipment laboratory (PMEL) to provide adequate space for an increase in personnel and equipment to support the unique components of the B-1B aircraft. A 1,650 square foot addition is required and will be of reinforced

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

MCCONNELL AIR FORCE BASE, KANSAS

4. PROJECT TITLE	5. PROJECT NUMBER
B-1B BEDDOWN SUPPORT FACILITIES - PHASE II	PRQE870000

($000)

concrete foundation and floor, masonry walls, and steel truss built-up roof system. Alterations will include reroofing, insulation and new siding to the existing building. This project is required to provide the necessary space and equipment to conduct field-level maintenance and calibration of precision instruments and equipment in support of new requirements generated by the B-1B bomber. The existing facility is adequate for the currently assigned KC-135 tanker but will be too small and improperly configured to support the B-1B. If this project is not provided, PMEL support will not be available which would cause some equipment to be shipped to other B-1B locations for maintenance and calibration. This could cause delays in aircraft availability which would be detrimental to the B-1B mission and national security.

BASE ENGINEER MAINTENANCE
MANAGEMENT FACILITY
SGER872517

SCOPE: 2,000 SF
CATEGORY CODE: 219-943

COST: 240

REQUIREMENT: 6,450 SF ADEQUATE: 4,450 SF SUBSTANDARD: 4,575 SF

Construct a base engineer maintenance management facility with reinforced concrete foundation and floor, masonry walls, and built-up roof system. Project will include space for grounds maintenance and entomology shops, chemical storage and mixing, and administrative support. The construction of a weapons storage area (WSA) included in the FY 86 program in support of the B-1B bomber caused the existing base engineer facility to be within the explosives quantity/distance (Q/D) clearance zone. Since facilities that are permanently or continuously occupied by personnel cannot be located within the Q/D zone, these functions must be relocated. There are no other existing facilities located outside the Q/D zone that are available and adequate to house these activities. Three buildings will be demolished and one other will be used fo base engineer storage. If this project is not provided, there will not be adequate space available to support these activities which directly support beddown of the B-1B bomber.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS	4 PROJECT TITLE KC-135 HYDRANT FUELING SYSTEM

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	121-122	PRQE865010	2,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
KC-135 HYDRANT FUELING SYSTEM	LS			2,220
DEMOLITION				16
BLAST FENCE				94
SUBTOTAL				2,330
CONTINGENCY (5%)	-			117
TOTAL CONTRACT COST				2,447
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				135
TOTAL REQUEST				2,582
TOTAL REQUEST (ROUNDED)				2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct 3,600 feet of piping with eleven hydrant outlets to accommodate KC-135 aircraft refueling. The system will have a capacity of 2,400 gallons per minute (gpm). Provide all necessary support equipment.

11. REQUIREMENT: 11 EA ADEQUATE: 0 SUBSTANDARD: 6 EA

PROJECT: Construct an hydrant fueling system to service KC-135 tanker aircraft assigned to this base.

REQUIREMENT: Adequate hydrant refueling capability is required to meet the refueling demands of the KC-135 aircraft. The system must be sized to service four KC-135 tankers simultaneously to meet aircraft turnaround times in support of the world-wide contingency mission. Additional pumping capability is required to permit concurrent refueling of both the B-1B bombers and the KC-135 tankers.

CURRENT SITUATION: The existing hydrant fueling system was installed in 1953 to support B-47 bombers and KC-97 tankers stationed at McConnell AFB during that time. The system does not have sufficient pumping capacity at only 300-400 gallons per minute (GPM), outlet capacity or proper spacing to service KC-135s. It has severe electrical problems caused by water infiltration into conduits and wiring circuitry and has extensive corrosion which results in the system being unreliable for continued uninterrupted use to support KC-135s. One half of the existing system will be lost as a result of the installation of the B-1B hydrant/CASS to be constructed in the FY 85 program.

IMPACT IF NOT PROVIDED: KC-135 aircraft would not be serviced in a timely manner to support their world-wide contingency mission.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS		
4. PROJECT TITLE KC-135 HYDRANT FUELING SYSTEM		5. PROJECT NUMBER PRQE865010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 15
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 15

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used -

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	162
(b)	All Other Design Costs	0
(c)	Total	162
(d)	Contract	2
(e)	In-house	160

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.11

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	743	4,887	528	0	0	0	0	0	0	6,158
b. END FY 19 91	743	4,927	532	0	0	0	0	0	0	6,202

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,406)	
b. INVENTORY TOTAL AS OF 30 Sept 85	229,400
c. AUTHORIZATION NOT YET IN INVENTORY	3,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	33,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	14,780
g. REMAINING DEFICIENCY	44,820
h. GRAND TOTAL	330,500

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	Cruise Missile Support Facilities-Phase II	LS	25,010	Apr 85	Sep 86
171-212	KC-135 CPT Simulator Facility	3,500 SF	890	May 85	May 86
179-475	Combat Arms Training and Maintenance Facilites	LS	1,250	Dec 83	Mar 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	348 PN	4,650	Apr 84	Jun 86
800-000	ECIP-Alter Heating Systems	LS	250	Apr 84	Nov 84
872-247	Security Improvements	LS	1,050	Jul 85	May 86
	Total		33,100		

9. Future Projects: (a) Included in Following Program (FY 88):

211-183	T-9 Noise Suppressor Support Facility	LS	800
721-312	Alter Unaccompanied Enlisted Personnel Housing	257 PN	3,050
740-674	Add to and Alter Gymnasium	5,650 SF	850
	Total		4,700

(b) Typical Planned Next Three Years:

212-216	Add to and Alter Missile Service Shop	80,000 SF	6,000
214-426	Vehicle Heated Storage Facility	22,850 SF	1,450

10. Mission or Major functions: Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a heavy bombardment operational wing including one B-52 squadron and one KC-135 squadron which maintain a bomber and tanker alert force; a strategic missile wing consisting of three Minuteman missile squadrons which maintain a continuous alert posture, and a Tactical Air Command tenant fighter interceptor squadron performing air defense and maintaining an alert force.

1. COMPONENT 87 AIR FORCE	FY 19___ MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.11

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

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1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
MINOT AIR FORCE BASE, NORTH DAKOTA	CRUISE MISSILE SUPPORT FACILITIES - PHASE II

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.11.20	422-000	SGER872501	25,010

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CRUISE MISSILE				
SUPPORT FACILITIES - PHASE II	LS			25,010
WEAPONS STORAGE IGLOOS	EA	12		(11,100)
MUNITIONS UPLOAD TRAINING FACILITY	LS			(8,300)
UPGRADE WEAPONS STORAGE AREA	LS			(2,100)
ADD TO AND ALTER MUNITIONS MAINTENANCE SHOP	LS			(1,700)
UNARMED WEAPONS STORAGE FACILITY	SF	9,000		(1,100)
WEAPONS CONVOY ROADS	LS			(710)
TOTAL REQUEST				25,010

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5.0% FOR NEW OR 10.0% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.5%).

NOTE 2: THE DD FORM 1391/1391C SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE CRUISE MISSILE BEDDOWN AT THIS BASE. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391/1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Earth reinforced concrete igloos, concrete foundations and floor slabs, steel frames, walls and roof system for unarmed weapons storage, munitions upload training facilities; all electrical, mechanical and structural work to alter munitions maintenance and avionics facilities; concrete paved roads for weapons convoy routes; includes communications, security, pavements, upgrade of weapons storage area, fire protection, utilities and other necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct new and modify existing facilities to house and maintain the cruise missile weapons system. This is the second phase of facilities to beddown the cruise missile at this base.

REQUIREMENT: The cruise missile weapons system scheduled to be delivered to this base beginning in mid FY 1988 requires adequate facilities of proper size, configuration, and location in which to receive, checkout, maintain, test, evaluate and store the missiles and related components. The integrated maintenance facility (IMF), a missile roll/transfer and storage facility and the site activation task force (SATAF) facility were provided in Phase I of this requirement in the FY 1986 military construction program (MCP). This phase includes igloos, training, maintenance, storage, weapons storage area (WSA) upgrade, vehicle parking facilities and convoy routes to complete the beddown requirement.

CURRENT SITUATION: Adequate facilities do not exist at this base to properly support the beddown of the cruise missile weapons system.

IMPACT IF NOT PROVIDED: The cruise missile cannot be deployed in a timely manner to coincide with the missile deliveries scheduled for mid FY 1988.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE CM WEAPONS STORAGE IGLOOS

5 PROGRAM ELEMENT 1.11.20	6 CATEGORY CODE 422-264	7 PROJECT NUMBER SGER872501A	8 PROJECT COST ($000) 11,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CM WEAPONS STORAGE IGLOOS (12 EA)	SF	67,000	125	8,375
SUPPORTING FACILITIES				1,645
UTILITIES	LS			(170)
PAVEMENTS	LS			(880)
SITE IMPROVEMENTS	LS			(595)
SUBTOTAL				10,020
CONTINGENCY (5%)				501
TOTAL CONTRACT COST				10,521
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				579
TOTAL REQUEST				11,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct 12 reinforced concrete igloos, with six converter buildings. Project includes earth cover, double steel doors at each end, sensor support systems, emergency power, pavements, utilities and other necessary support.

11. REQUIREMENT: 12 EA ADEQUATE: 0 SUBSTANDARD: 9 EA

PROJECT: Construct twelve igloos for storage of cruise missile warheads, pylons, adapters and associated equipment.

REQUIREMENT: Storage space capable of accommodating cruise missiles is required at this base due to the programmed arrival of additional missiles. Missiles must be stored in a mission ready configuration on pylons on trailers ready for transport flightline or alert areas for immediate uploading. Ramp aprons must be capable of supporting 85,000-pound gross loads.

CURRENT SITUATION: There are no igloos capable of storing the missiles on this base. Existing storage facilities are too small and have doors too narrow and too low to accept missile loaded pylons on trailers required for mission readiness. Floors, roads and ramps around these storage facilities cannot support the weight of the loaded pylons and trailers.

IMPACT IF NOT PROVIDED: If this project is not provided, complete deployment of the cruise missile cannot be accomplished in consonance with missile deliveries and could seriously impact the defense and security of the United States.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE CM-WEAPONS STORAGE IGLOOS		5. PROJECT NUMBER SGER872501A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 APR 25
(b)	Percent Complete as of January 1986	60
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 15

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - GRIFFIS

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	554
(b)	All Other Design Costs	0
(c)	Total	554
(d)	Contract	54
(e)	In-house	500

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE CM - MUNITIONS UPLOAD TRAINING FACILITY

5 PROGRAM ELEMENT 1.11.20	6 CATEGORY CODE 171-875	7 PROJECT NUMBER SGER872501F	8 PROJECT COST ($000) 8,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MUNITIONS UPLOAD TRAINING FACILITY	LS			5,766
MUNITIONS UPLOAD TRAINING FACILITY	SF	34,600	93	(3,218)
WATER STORAGE TANK	GA	100,000	1	(100)
FIRE PROTECTION WASTE LAGOON	LS			(120)
FIRE PROTECTION PUMPHOUSE	LS			(400)
APRONS	SY	20,100	75	(1,508)
PAVED SHOULDERS	SY	10,500	40	(420)
SUPPORTING FACILITIES				1,730
SPECIAL FIRE PROTECTION SYSTEMS	LS			480)
UTILITIES	LS			620)
PAVEMENTS	LS			475)
SITE IMPROVEMENTS	LS			155)
SUBTOTAL				7,496
CONTINGENCY (5%)				375
TOTAL CONTRACT COST				7,871
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				433
TOTAL REQUEST				8,304
TOTAL REQUEST (ROUNDED)				8,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural steel frame with metal walls and roof. Project includes access for munitions lift trailers during missile munitions loading and munitions load training, mechanical equipment rooms, administrative and maintenance dock space, utilities and other necessary support.

11. REQUIREMENT: 34,600 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a munitions load training facility. The facility must be sized to accommodate the aircraft on which the munitions or missiles must be loaded. Training of load crews under severe weather conditions outdoors is both inefficient and unsafe.

CURRENT SITUATION: Existing maintenance facilities are not properly configured for munitions loading or load training associated with the cruise missile mission. These facilities cannot be used for loading pylons in their current configuration since the trailers carrying a pylon cannot pass beneath the wing of aircraft to get into the upload position. To utilize existing maintenance facilities for loading training would require excessive modification to the buildings and additional pavement to allow the munitions lift trailers access to the front of the aircraft.

IMPACT IF NOT PROVIDED: If this project is not provided, training of munitions load crews cannot be accomplished, especially in the severe winter conditions encountered at this base. This would result in greater risk of equipment or aircraft damage and personal injury during training which would be detrimental to the cruise missile mission and national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE CM-MUNITIONS UPLOAD AND TRAINING FACILITY		5. PROJECT NUMBER SGER872501F

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 APR 25
(b) Percent Complete as of January 1986	71
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 15
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used -	K I SAWY
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	340
(b) All Other Design Costs	0
(c) Total	340
(d) Contract	0
(e) In-house	340
(4) Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE CM - UPGRADE WEAPONS STORAGE AREA (WSA)

5 PROGRAM ELEMENT 1.11.20	6 CATEGORY CODE 422-000	7 PROJECT NUMBER SGER872501C	8 PROJECT COST ($000) 2,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UPGRADE WEAPONS STORAGE AREA (WSA)	LS			1,567
HAZARDOUS MATERIALS STORAGE FACILITY	SF	1,000	160	(160)
INTEGRATED MAINTENANCE FACILITY	SF	2,700	33	(89)
AREA LIGHTING	LS			(250)
SECURITY FENCE	LF	9,900	17	(168)
UTILITIES WITH GENERATOR FACILITY	LS			(900)
SUPPORTING FACILITIES				310
SUBTOTAL				1,877
CONTINGENCY (5%)				94
TOTAL CONTRACT COST				1,971
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				108
TOTAL REQUEST				2,079
TOTAL REQUEST (ROUNDED)				2,100

0 DESCRIPTION OF PROPOSED CONSTRUCTION Upgrade and expansion of the existing Weapons Storage Area (WSA) to include perimeter and area lights, fencing, alter sallyport, utility systems, an existing facility for gravity weapons maintenance and inspection, relocation of contaminated waste pond, a new generator facility, road upgrade, vehicle parking and site preparation.

11. REQUIREMENT: As required.

PROJECT: Upgrade and expansion of the existing weapons storage area (WSA)

REQUIREMENT: An adequate weapons storage area, properly sized configured and located, is required to store cruise missiles scheduled to be assigned to this base.

CURRENT SITUATION: The existing WSA cannot accommodate new igloos without expansion. The required expansion can be accomplished within base-owned property. The sallyport and roads are not sized or designed to support the large cruise missile equipment. The existing facility planned for gravity weapons maintenance and inspection cannot house this function even with modification. Existing support including fence, utilities, lighting, communications, roads, entry points and vehicle parking are not adequate for proper security and access to the WSA.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing WSA will not be able to accommodate the new igloos, maintenance facilities and provide support for the continued beddown of the cruise missile. This would be detrimental to mission accomplishment and national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE CM-UPGRADE WEAPONS STORAGE AREA		5. PROJECT NUMBER SGER872501C

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 APR 25
	(b)	Percent Complete as of January 1986	60
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 15
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	105
	(b)	All Other Design Costs	0
	(c)	Total	105
	(d)	Contract	0
	(e)	In-house	105
(4)	Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE CM - ADD TO AND ALTER MUNITIONS MAINTENANCE SHOP

5 PROGRAM ELEMENT 1.11.20	6 CATEGORY CODE 218-712	7 PROJECT NUMBER SGER672501E	8 PROJECT COST ($000) 1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER MUNITIONS MAINTENANCE SHOP	LS			1,039
ADDITION	SF	10,250	95	(974)
ALTERATION	SF	8,890	7.30	(65)
SUPPORTING FACILITIES				500
UTILITIES	LS			(85)
PAVEMENTS	LS			(365)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				1,539
CONTINGENCY (5%)				77
TOTAL CONTRACT COST				1,616
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				89
TOTAL REQUEST				1,705
TOTAL REQUEST (ROUNDED)				1,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, pre-engineered steel frame building, metal walls and roof, pavements, ramp, oil/water separator, bridge crane. All structural, electrical and mechanical work necessary to alter the existing facility to reconfigure the job control area and provide a more functional layout. Includes maintenance bays, shop, tool, storage, latrines, administrative support, utilities and other necessary support.

11. REQUIREMENT: 19,140 SF ADEQUATE: 0 SUBSTANDARD: 8,890 SF

PROJECT: Construction of an addition to and alteration of the existing munitions maintenance shop.

REQUIREMENT: Adequate space, properly sized and configured, is required in which to maintain munitions maintenance Support Equipment (SE) associated with the cruise missile. The size and weight of munitions handling trailers and pylons require expansion and alteration of the existing facility to accommodate this equipment.

CURRENT SITUATION: The existing facility is not large enough nor properly configured to handle the outsized support equipment required to handle the cruise missile. The project will enlarge and alter the existing facility to accommodate munitions maintenance support equipment, provide a more functional operation and reconfigure the job control area.

IMPACT IF NOT PROVIDED: If this project is not provided, there will be no space available in which to maintain cruise missile SE. This could have an adverse impact on the availability of the cruise missile for mission requirements which would be detrimental to national security.

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE CM-ADD TO AND ALTER MUNITIONS MAINTENANCE SHOP		5. PROJECT NUMBER SGER872501E

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 APR 25
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	85
(b) All Other Design Costs	0
(c) Total	85
(d) Contract	0
(e) In-house	85

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4. PROJECT TITLE CM - UNARMED WEAPONS STORAGE FACILITY

5 PROGRAM ELEMENT 1.11.20	6 CATEGORY CODE 422-265	7. PROJECT NUMBER SGER872501I	8. PROJECT COST ($000) 1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNARMED WEAPONS STORAGE FACILITY	SF	9,000	88	792
SUPPORTING FACILITIES				220
UTILITIES	LS			(65)
PAVEMENTS	LS			(85)
SITE IMPROVEMENTS	LS			(70)
SUBTOTAL				1,012
CONTINGENCY (5%)				51
TOTAL CONTRACT COST				1,063
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				58
TOTAL REQUEST				1,121
TOTAL REQUEST (ROUNDED)				1,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, pre-engineered metal building, steel joist and metal deck with built-up roof. Project includes storage area, fire protection, overhead bridge crane and hoist, loading dock, utilities and other necessary support.

11. REQUIREMENT: 9,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an unarmed weapons storage facility.

REQUIREMENT: Adequate space, properly sized, configured and located, is required in which to store unarmed weapons components in support of the cruise missile being deployed to this base. This facility is required to receive, checkout and maintain these components.

CURRENT SITUATION: There are no existing facilities available within the Weapons Storage Area (WSA) that can be used for this function. The new facility must be located within the WSA to support the cruise missile weapons system.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate support cannot be provided for the maintenance and checkout of the cruise missile. This would be detrimental to mission accomplishment and would have an adverse impact on the beddown of the cruise missile at this base.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE CM-UNARMED WEAPONS STORAGE FACILITY		5. PROJECT NUMBER SGER872501I

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 25
	(b) Percent Complete as of January 1986	71
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 15
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - GRIFFIS	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	55
	(b) All Other Design Costs	0
	(c) Total	55
	(d) Contract	0
	(e) In-house	55
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE CRUISE MISSILE SUPPORT FACILITIES - PHASE II		5. PROJECT NUMBER SGER872501

		($000)
CM - WEAPONS CONVOY ROADS	SCOPE: LS	COST: $710
SGER872501H	CATEGORY CODE: 851-147	

REQUIREMENT: As required.

Construct reinforced concrete primary and secondary convoy routes with pavement capable of supporting the cruise missile and its munitions handling trailers and equipment. Roads will provide access from the weapons storage area (WSA) to the alert aircraft parking area (AAPA) and the aircraft maintenance apron. Adequate primary and secondary convoy routes from the WSA to the AAPA and maintenance apron are required to support the new munitions lift trailer used with the cruise missile weapons system which has a loaded gross vehicle weight of 85,000 lbs. Existing roads are not designed for heavy cruise missile related loads and must be replaced with a properly constructed surface to support convoy operations. If this project is not provided, adequate convoy routes for movement of the cruise missile will not be available which would be detrimental to mission accomplishment and national security.

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES

5 PROGRAM ELEMENT 1.18.97	6 CATEGORY CODE 179-475	7 PROJECT NUMBER QJVF810121	8 PROJECT COST ($000) 1,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	LS			700
TRAINING AND MAINTENANCE FACILITY	SF	3,700	120	(444)
RANGE SHELTERS	SF	1,450	115	(167)
BAFFLES	LF	170	530	(90)
SUPPORTING FACILITIES				420
COMMUNICATIONS SUPPORT	LS			(20)
UTILITIES	LS			(225)
PAVEMENTS	LS			(80)
SITE IMPROVEMENTS	LS			(95)
SUBTOTAL				1,121
CONTINGENCY (5%)				56
TOTAL CONTRACT COST				1,177
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				65
TOTAL REQUEST				1,242
TOTAL REQUEST (ROUNDED)				1,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete masonry with all utilities, 20 firing points (FP) for pistol-rifle and 5 FP for machine guns (10 meter) including a semi-enclosed canopy with radiant heat and a baffle type noise suppression system.

11. REQUIREMENT: 3,700 SF ADEQUATE: 0 SUBSTANDARD: 1,056 SF

PROJECT: Construct a combat arms training and maintenance facility with firing ranges for pistol, rifle and machine gun training.

REQUIREMENT: Adequate facilites are required for training of over 7,700 military personnel annually in the use of combat and small arms. Storage for weapons and target materials, academic training space and maintenance areas are required.

CURRENT SITUATION: The existing building is located at the firing range, is too small with less than one-third of the space required to provide adequate classroom, administrative support, storage and maintenance areas. It is a portable wood frame building, uninsulated and is deteriorated beyond economical repair. The existing rifle range does not contain sufficient firing points to accommodate the current training load. There is no machine gun range. Lack of a machine gun range requires that personnel be transported daily 110 miles to another location for this training.

IMPACT IF NOT PROVIDED: Full combat readiness training requirements cannot be met and existing training will continue under adverse and substandard conditions. This would be detrimental to capability of the base to defend itself and protect high priority resources under its control.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES		5. PROJECT NUMBER QJVF810121

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 DEC 04
(b) Percent Complete as of January 1986	90
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 01
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used - GRAND FK	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	94
(b) All Other Design Costs	0
(c) Total	94
(d) Contract	47
(e) In-house	47
(4) Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE

3 INSTALLATION AND LOCATION
MINOT AIR FORCE BASE, NORTH DAKOTA

4 PROJECT TITLE
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	721-312	QJVP850043	4,650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (348 PN)	SF	73,500	48	3,528
SUPPORTING FACILITIES				480
COMMUNICATIONS	LS			(175)
UTILITIES	LS			(90)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(95)
SUBTOTAL				4,008
CONTINGENCY (10%)				401
TOTAL CONTRACT COST				4,409
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				242
TOTAL REQUEST				4,651
TOTAL REQUEST (ROUNDED)				4,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter existing facilities to include new semiprivate baths, electric service, repair heating system, light fixtures, install new windows and renovate existing dayrooms. Grade Mix: 348 E 1-4.

11. REQUIREMENT: 2,220 PN ADEQUATE: 1,368 PN SUBSTANDARD: 616 PN

PROJECT: Alter four unaccompanied enlisted housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in the 1950's. They lack privacy, secure personal storage and individual room temperature controls. They have poor lighting, insulation and sound attenuation, obsolete electrical and mechanical systems, central latrines, inadequate fire protection and have a generally poor aesthetic environment. This project will provide upgraded facilities which meet current Air Force living standards.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER QJVF850043

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 APR 30
	(b) Percent Complete as of January 1986	80
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 01
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	393
	(b) All Other Design Costs	0
	(c) Total	393
	(d) Contract	332
	(e) In-house	61
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	4 PROJECT TITLE SECURITY IMPROVEMENTS

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 872-247	7 PROJECT NUMBER QJVF892511	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS			801
INTERIOR FENCE	LF	67,500	11	(743)
PERSONNEL AND VEHICLE GATES	LS			(58)
SUPPORTING FACILITIES				135
SUBTOTAL				936
CONTINGENCY (5%)				47
TOTAL CONTRACT COST				983
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				54
TOTAL REQUEST				1,037
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Eight-foot security fencing and area lighting around flightline facilities. Includes personnel and vehicle entry point gates, gate guard houses and warning signs.

11. REQUIREMENT: As required.

PROJECT: Construct security improvements to provide a physical and legal line of demarcation for unauthorized personnel and vehicles.

REQUIREMENT: Security improvements to provide the essential minimum protection for flightline and industrial complexes and other critical support areas to counter threats of violence to direct mission related resources and possible disruption of the base mission.

CURRENT SITUATION: Existing security measures in and around the flightline and industrial complexes as well as other critical support areas and facilities do not exist or are minimal. There is no finite line of demarcation that limits access permitted in certain areas and facilities on the base. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base.

IMPACT IF NOT PROVIDED: Lack of these security improvements subjects aircraft, sensitive components, high value equipment and key support facilities to easy access which could result in damage.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE SECURITY IMPROVEMENTS		5. PROJECT NUMBER QJVF892511

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUL 23
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 15

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	77
(b) All Other Design Costs	0
(c) Total	77
(d) Contract	2
(e) In-house	75

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.05

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	3,520	8,795	1,831	23	17	3	19	15	1	14,224
b. END FY 19 91	3,556	8,881	1,835	22	19	7	15	20	1	14,356

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,002)	
b. INVENTORY TOTAL AS OF 30 Sept 85	330,200
c. AUTHORIZATION NOT YET IN INVENTORY	6,680
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	24,970
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	60,300
g. REMAINING DEFICIENCY	83,300
h. GRAND TOTAL	508,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-745	Strategic Analysis and Applications Center	LS	12,350	Aug 85	Aug 86
179-475	Add to Combat Arms Training and Maintenance Facilities	LS	520	Jun 85	Aug 86
610-280	Add to and Alter Strategic Communications Division Headquarters Facility	24,500 SF	2,470	Nov 84	Jul 86
800-000	Energy Conservation Investment Program	LS	2,680	Mar 84	Nov 84
812-231	Electrical Substation	LS	4,450	Aug 85	Jun 86
872-247	Security Improvements	LS	2,500	Jul 85	Sep 86
	Total		24,970		

9. Future Projects: (a) Included in Following Program (FY 88):

171-214	Physiological Training Facility	8,860 SF	1,750
211-183	T-9 Noise Suppressor Support Facility	LS	800
	Total		2,550
	(b) Typical Planned Next Three Years:		
111-111	Upgrade Airfield Pavements	674,000 SY	23,500
141-453	Base Flight Operations Facility	25,600 SF	3,100
724-417	Visiting Officer Quarters	40 PN	3,600

10. Mission or Major Functions: Active mission support activities include a major command headquarters responsible for management, command, control and direction of all assigned Strategic Air Command units; a strategic reconnaissance wing which provides intelligence for strategic contingency planning, and targeting and defense analysis; and two airborne command and control squadrons consisting of EC-135 and E-4 aircraft which maintain an alert force.

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT 87
AIR FORCE

FY 19___ MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
OFFUTT AIR FORCE BASE, NEBRASKA

4. COMMAND
STRATEGIC AIR COMMAND

5. AREA CONSTR COST INDEX
1.05

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA	4 PROJECT TITLE STRATEGIC ANALYSIS AND APPLICATIONS CENTER

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 141-745	7 PROJECT NUMBER SGBP870917	8 PROJECT COST ($000) 12,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STRATEGIC ANALYSIS AND APPLICATIONS CENTER	LS			9,374
NEW FACILITY	SF	54,800	165	(9,042)
ACCESS TUNNEL	LS			(332)
SUPPORTING FACILITIES				1,775
UTILITIES	LS			(1,320)
COMMUNICATIONS SUPPORT	LS			(155)
PAVEMENTS	LS			(245)
SITE IMPROVEMENTS	LS			(55)
SUBTOTAL				11,149
CONTINGENCY (5%)				557
TOTAL CONTRACT COST				11,706
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				644
TOTAL REQUEST				12,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION All vault construction with approximately one-third of the facility requiring TEMPEST shielding. Building will be reinforced concrete and connected to existing headquarters building with an underground tunnel.
Air conditioning: 100 Tons.

11. REQUIREMENT: 235,380 SF ADEQUATE: 185,380 SF SUBSTANDARD: 0 SF

PROJECT: Construct a strategic analysis and applications center to accommodate the 544th Strategic Intelligence Wing mission.

REQUIREMENT: Adequate space, properly sized and configured, to accommodate new intelligence equipment and increased operations and electronic intelligence personnel associated with rapid reprogramming of Electronic Countermeasures (ECM) equipment. This new equipment and manpower is required to provide additional intelligence information to the Strategic Air Command (SAC) commander to support increasing mission responsibilities. TEMPEST shielding is required in approximately one-third of the proposed facility.

CURRENT SITUATION: Strategic analysis and applications activities currently occupy space in the old aircraft maintenance complex which is scheduled for demolition and space in another building which is planned for additional Automatic Data Processing (ADP) equipment. The present space is insufficient to meet the expanding equipment requirements and be unavailable in the future. Electronic processing facilities are now physically separated from applications and reprogramming functions. This requires intelligence data to be transported by courier between personnel increases in support of the 544th intelligence mission and will

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE STRATEGIC ANALYSIS AND APPLICATIONS CENTER		5. PROJECT NUMBER SGBP870917

be unavailable in the future. Electronic processing facilities are now physically separated from applications and reprogramming functions. This requires intelligence data to be transported by courier between multiple locations which hinders rapid application. SAC does not have the capability to rapidly develop and change ECM techniques in response to changing threat parameters.

IMPACT IF NOT PROVIDED: Adequate space will not be available in which the intelligence equipment and related personnel increases in support of ECM can be accommodated. This will have an adverse impact on the SAC Commander's capability to receive intelligence data necessary to make correct decisions in the deployment of the strategic force which would be detrimental to our national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE STRATEGIC ANALYSIS AND APPLICATIONS CENTER		5. PROJECT NUMBER SGBP870917

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 AUG 15
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 27

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	712
(b)	All Other Design Costs	0
(c)	Total	712
(d)	Contract	541
(e)	In-house	171

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA	4. PROJECT TITLE ADD TO AND ALTER STRATEGIC COMMUNICATIONS DIVISION HEADQUARTERS FACILITY

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 610-280	7 PROJECT NUMBER SGBP860906	8. PROJECT COST ($000) 2,470

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER STRATEGIC COMMUNICATIONS DIVISION HEADQUARTERS FACILITY	LS			2,000
ADDITION	SF	24,500	78	1,911
ALTERATION	LS			(89)
SUPPORTING FACILITIES	LS			230
UTILITIES	LS			(100)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				2,230
CONTINGENCY (5%)				111
TOTAL CONTRACT COST				2,341
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				129
TOTAL REQUEST				2,470

10 DESCRIPTION OF PROPOSED CONSTRUCTION Masonry walls, partitions, concrete foundation and floor slabs, built-up roof on steel joist, insulation, suspended ceiling, heating, electric and fire alarm system and vehicle parking. Air Conditioning - 120 Tons.

11. REQUIREMENT: 47,435 SF ADEQUATE: 0 SUBSTANDARD: 49,157 SF

PROJECT: Construct an addition to and alter the existing Strategic Communications Division (SCD) Headquarters facility.

REQUIREMENT: Adequate space, properly sized and configured, is required in which activities and functions associated with the support of the SCD Headquarters can be effectively and efficiently accomplished. A consolidated facility is necessary to adequately process administrative requirements and interface the various offices so that the most efficient and effective mission support possible can be provided to Headquarters SAC and other units.

CURRENT SITUATION: SCD Headquarters functions are currently located in four separate buildings. One building is scheduled for demolition as a result of the new aircraft maintenance complex project in FY 85, and the SCD functions must be relocated. One building is located approximately 1 1/2 miles from the primary SCD facility and SAC Headquarters and one building is leased until 1986. The proposed new addition to the existing SCD facility will provide space to satisfy deficiencies and alleviate overcrowded conditions in the SAC Headquarters building and other areas.

IMPACT IF NOT PROVIDED: The SCD Headquarters functions and activities will be forced to continue to occupy and operate out of scattered, substandard facilities.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA		
4 PROJECT TITLE ADD TO AND ALTER STRATEGIC COMMUNICATIONS DIVISION HEADQUARTERS FACILITY		5. PROJECT NUMBER SGBP860906

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 NOV 02
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUL 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used -

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	175
(b) All Other Design Costs	0
(c) Total	175
(d) Contract	132
(e) In-house	43

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE

3 INSTALLATION AND LOCATION
OFFUTT AIR FORCE BASE, NEBRASKA

4 PROJECT TITLE
ELECTRICAL SUBSTATION

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	813-231	SGBP900903	4,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL SUBSTATION	LS			3,875
SUBSTATION AND SWITCHING STATIONS	KV	30,000	100	(3,000)
ELECTRIC POWER STATION FACILITY	LS			(75)
TRANSMITTER	LS			(800)
SUPPORTING FACILITIES				120
UTILITIES	LS			(100)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				3,995
CONTINGENCY (5%)				200
TOTAL CONTRACT COST				4,195
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				231
TOTAL REQUEST				4,426
TOTAL REQUEST (ROUNDED)				4,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete bases and steel framing to support transformers and electrical equipment. Primary and secondary feeders, security fencing, parking, paved road and land lease.

11. REQUIREMENT: As required

PROJECT: Construct a new central electrical substation.

REQUIREMENT: Adequate power is required to permit continued current mission support and provide expansion capability to accommodate future missions. In addition, energy security for key facilities and power sensitive equipment is required due to the complex and sensitive strategic missions located on Offutt AFB. An additional electrical substation is required to provide an alternate source of power, provide for future growth in power demand, and permit proper maintenance on existing electrical equipment.

CURRENT SITUATION: The base is currently served by one major substation over 30 years old. It is operated at peak capacity much of the time. Overloads during summer season peaks have resulted in loss of power to some critical base facilities and equipment. The existing substation cannot be shut down for normal maintenance as there is no alternate source of power available. Also, the existing substation equipment is subject to electrical outages due to age, obsolescence and non-availability of spare parts.

IMPACT IF NOT PROVIDED: Adequate power distribution and availability will not be present to insure continued operation of critical mission facilities and equipment in case of a power outage for any reason. This would have an adverse impact on the mission of the base and would be detrimental to national security.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE ELECTRIC SUBSTATION		5. PROJECT NUMBER SGBP900903

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
	(a) Date Design Started	85 AUG 26
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 02
(2) Basis		
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a) Production of Plans and Specifications	200
	(b) All Other Design Costs	0
	(c) Total	200
	(d) Contract	150
	(e) In-house	50
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA	4 PROJECT TITLE SECURITY IMPROVEMENTS

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 872-247	7 PROJECT NUMBER SGBP862510	8 PROJECT COST ($000) 2,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS			1,660
FENCE/GATES/BARRIERS	LS			(1,060)
ALERT FIRE TEAM FACILITY	LS			(350)
SECURITY LIGHTS	LS			(250)
SUPPORTING FACILITIES				600
COMMUNICATIONS	LS			(50)
UTILITIES	LS			(300)
PAVEMENTS	LS			(250)
SUBTOTAL				2,260
CONTINGENCY (5%)				113
TOTAL CONTRACT COST				2,373
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				131
TOTAL REQUEST				2,504
TOTAL REQUEST (ROUNDED)				2,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Eight foot security fencing and area lighting around flightline facilities. Includes personnel and vehicle entry point gates, gate guard houses, and warning signs.

11. REQUIREMENT: As required.

PROJECT: Construct security improvements to provide a physical and legal line of demarcation for unauthorized personnel and vehicles.

REQUIREMENT: Security improvements are required to provide the essential minimum protection for flightline and industrial complexes and other critical support areas to counter threats of violence to direct mission related resources and possible disruption of the base mission.

CURRENT SITUATION: Existing security measures in and around the flightline and industrial complexes as well as other critical support areas and facilities do not exist or are minimal. There is no finite line of demarcation that limits access permitted in certain areas and facilities on the base. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base.

IMPACT IF NOT PROVIDED: Lack of these security improvements subjects aircraft, sensitive components, high value equipment and key support facilities to easy access which could result in damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission which would be detrimental to national security.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE SECURITY IMPROVEMENTS	5. PROJECT NUMBER SGBP862510	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 15
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 01
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	194
	(b) All Other Design Costs	0
	(c) Total	194
	(d) Contract	155
	(e) In-house	39
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION PEASE AIR FORCE BASE, NEW HAMPSHIRE	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 1.09

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	421	3,121	459	0	0	0	0	0	0	4,001
b. END FY 19 91	423	3,185	460	0	0	0	0	0	0	4,068

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,258)	
b. INVENTORY TOTAL AS OF 30 Sept 85	133,920
c. AUTHORIZATION NOT YET IN INVENTORY	610
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	26,370
g. REMAINING DEFICIENCY	32,200
h. GRAND TOTAL	196,500

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179-475	Add to and Alter Combat Arms Training and Maintenance Facilities	LS	1,050	Mar 84	Mar 86
217-712	Add to and Alter Avionics Maintenance Shop	LS	1,150	Apr 85	Feb 86
	Total		2,200		

9. Future Projects: (a) Included in Following Program (FY 88):

872-148	Security Improvements	LS	1,200
	(b) Typical Planned Next Three Years:		
130-142	Fire Station	4,600 SF	900
131-111	Information Systems Facility	15,000 SF	1,750
141-753	Add to and Alter Mission Operations Facility	6,100 SF	850
812-223	Alter Electric Distribution System	50 PN	4,500

10. Mission or Major Functions: Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a medium bombardment wing including one FB-111 squadron and one KC-135 squadron which maintain a bomber and tanker alert force; and an Air National Guard KC-135 tenant heavy air refueling group training to maintain combat readiness, support operational tanker requirements and maintains a tanker alert force.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	1,500
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1981 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PEASE AIR FORCE BASE, NEW HAMPSHIRE	4 PROJECT TITLE ADD TO AND ALTER COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES

5 PROGRAM ELEMENT 1.18.97	6 CATEGORY CODE 179-475	7 PROJECT NUMBER SZDT811006	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	LS			835
TRAINING AND MAINTENANCE FACILITY	LS			(200)
FIRING RANGE BAFFLES	LS			(275)
FIRING RANGE BERM	LS			(330)
SUPPORTING FACILITIES				115
COMMUNICATIONS SUPPORT	LS			(10)
UTILITIES	LS			(10)
PAVEMENTS	LS			(15)
SITE IMPROVEMENTS	LS			(80)
SUBTOTAL				950
CONTINGENCY (5%)				48
TOTAL CONTRACT COST				998
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				55
TOTAL REQUEST				1,053
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Earth berms, wood and steel baffles, firing line with canopy and infra-red heat, roofing, utilities, and support.

11. REQUIREMENT: 3,560 SF ADEQUATE: 0 SUBSTANDARD: 1,640 SF

PROJECT: Construct an addition to and alter the existing combat arm training and maintenance facilities with firing ranges for pistol, rifle and machine gum training.

REQUIREMENT: Adequate facilities are required for training of 4,680 military personnel annually in the use of combat and small arms. Weapons and target materials storage, academic training space and maintenance area are required.

CURRENT SITUATION: The existing building is too small with less than one-half of the space required to provide adequate classroom, administrative support, storage and maintenance area. The existing rifle and pistol range does not have sufficient firing points to accommodate the current training load. There is no machine gun range. Lack of a machine gun range and the inadequate rifle range requires personnel to be transported daily 65 miles to another location for this training.

IMPACT IF NOT PROVIDED: Without this project, full combat readiness training requirements cannot be met and existing training will continue under adverse and substandard conditions. This would be detrimental to the base's capability to defend itself and protect high priority resources under its control.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION PEASE AIR FORCE BASE, NEW HAMPSHIRE		
4 PROJECT TITLE ADD TO AND ALTER COMBAT ARMS TRAINING AND MAINTENANCE FACLITIES		5. PROJECT NUMBER SZDT811006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 MAR 21
(b)	Percent Complete as of January 1986	95
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAR 25

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	50
(b)	All Other Design Costs	24
(c)	Total	74
(d)	Contract	64
(e)	In-house	10

(4) Construction start 85 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PEASE AIR FORCE BASE, NEW HAMPSHIRE	4 PROJECT TITLE ADD TO AND ALTER AVIONICS MAINTENANCE SHOP

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 217-712	7 PROJECT NUMBER SZDT861106	8 PROJECT COST ($000) 1,150

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER AVIONICS MAINTENANCE SHOP	LS			730
ARMAMENT AND ELECTRONICS SHOP	SF	5,900	110	(649)
ALTERATION	LS			(81)
SUPPORTING FACILITIES				310
COMMUNICATIONS SUPPORT	LS			(40)
UTILITIES	LS			(100)
PAVEMENTS	LS			(80)
SITE IMPROVEMENTS	LS			(90)
SUBTOTAL				1,040
CONTINGENCY (5%)				52
TOTAL CONTRACT COST				1,092
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				60
TOTAL REQUEST				1,152
TOTAL REQUEST (ROUNDED)				1,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Structure is concrete footing, masonry walls, suspended ceilings and built-up roof. Provides shop areas, shipping container storage, offices, latrines, conference room, storage, and utilities. Air conditioning: 50 Tons.

11. REQUIREMENTS: 29,970 SF ADEQUATE: 0 SUBSTANDARD: 29,313 SF

PROJECT: Construct an addition to and alter the existing avionics maintenance shop.

REQUIREMENT: Adequate space, properly sized and configured, to accommodate the maintenance of existing and new avionics systems, Electronic Countermeasure (ECM) equipment and civilian contractor operations.

CURRENT SITUATION: Avionics maintenance and weapons systems maintenance management activities currently occupy and are split between two existing facilities. These facilities are too small and being separated, create crowded, cramped and inefficient working conditions. This has resulted in required maintenance being staggered and quality and timeliness of work being degraded. This project will consolidate these functions into one facility and release space to satisfy other base deficiencies.

IMPACT IF NOT PROVIDED: The existing crowded and split avionics maintenance activities will continue which will result in inefficient and ineffective working conditions. This would have an adverse impact on mission capability and the morale and well being of personnel who must work under these conditions.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION PEASE AIR FORCE BASE, NEW HAMPSHIRE		
4 PROJECT TITLE ADD TO AND ALTER AVIONICS MAINTENANCE SHOP		5. PROJECT NUMBER SZDT861106

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 01
	(b) Percent Complete as of January 1986	85
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 07
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	66
	(b) All Other Design Costs	13
	(c) Total	79
	(d) Contract	69
	(e) In-house	10
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	492	3,582	422	1	55	1	0	0	0	4,553
b. END FY 19 91	526	3,583	423	1	55	1	0	0	0	4,589

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,895)	
b. INVENTORY TOTAL AS OF 30 Sept 85	136,500
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,610
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	640
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,200
g. REMAINING DEFICIENCY	26,850
h. GRAND TOTAL	177,800

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-212	KC-135 CPT Simulator Facility	3,500 SF	760	May 85	May 86
179-475	Combat Arms Training and Maintenance Facilities	LS	1,250	Jun 85	Mar 86
214-425	Add to and Alter Vehicle Maintenance Shop	LS	3,200	Sep 84	Nov 85
721-312	Alter Unaccompanied Enlisted Personnel Housing	303 PN	3,000	Apr 84	Feb 85
872-247	Security Improvements	LS	1,400	Aug 85	Jun 86
	Total		9,610		

9. Future Projects: (a) Included in Following Program (FY 88):

432-283	Base Cold Storage Facility	4,400 SF	640

(b) Typical Planned Next Three Years:

730-733	Religious Education Facility	12,300 SF	1,400
872-240	Alert Aircraft Security Screens	2,630 LF	1,000
872-240	Alert Taxiway Barriers	2 EA	1,800

10. Mission or Major Functions: A medium bombardment wing including two FB-111 squadrons and two KC-135 squadrons which maintain a bomber and tanker alert force and performs combat crew training for the FB-111.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK	4 PROJECT TITLE COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.97	179-475	THWA810061	1,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	LS			848
TRAINING FACILITY AND VAULT	SF	3,200	78	(249)
PISTOL FIRING POINTS	EA	21	23,100	(485)
MACHINE GUN FIRING POINTS	EA	3	38,000	(114)
SUPPORTING FACILITIES				275
COMMUNICATIONS SUPPORT	LS			(20)
UTILITIES	LS			(90)
PAVEMENTS	LS			(65)
SITE IMPROVEMENTS	LS			(100)
SUBTOTAL				1,123
CONTINGENCY (5%)				56
TOTAL CONTRACT COST				1,179
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				65
TOTAL REQUEST				1,244
TOTAL REQUEST (ROUNDED)				1,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Structural walls, concrete foundation and floor slab, including earthen berms, firing platforms, overhead baffles and target area, parking and all necessary support.

11. REQUIREMENT: 3,200 SF ADEQUATE: 0 SUBSTANDARD: 2,000 SF

PROJECT: Construct a combat arms training and maintenance facility with firing ranges for rifle, pistol and machine gun training.

REQUIREMENT: Adequate facilities are required for training of 5,060 military personnel annually in the use of combat and small arms. Storage for weapons and target materials, academic training space and maintenance areas are required.

CURRENT SITUATION: The existing building is too small with less than two-thirds of the space required to provide adequate classroom, administrative support, storage and maintenance area. The existing facility is of permanent masonry construction but is not properly located to support the existing range. It will be vacated for use by other functions for which it is considered adequate. The existing range is totally deteriorated and will be abandoned. There is no machine gun range. Existing facilities provide training for less than 3,250 personnel annually. Lack of a machine gun range requires that personnel be transported daily 90 miles to another location for this training.

IMPACT IF NOT PROVIDED: Full combat readiness training requirements cannot be met and existing training will continue under adverse and substandard conditions. This would be detrimental to the capability of the base to defend itself and protect high priority resources under its control.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK		
4. PROJECT TITLE COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES		5. PROJECT NUMBER THWA810061

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 JUN 21
(b) Percent Complete as of January 1986		95
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 MAR 15
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		85
(b) All Other Design Costs		22
(c) Total		107
(d) Contract		77
(e) In-house		30
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK	4 PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE SHOP

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	214-425	THWA860033	3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	LS			2,569
ADDITION	SF	21,700	90	(1,953)
ALTERATION	LS			(616)
SUPPORTING FACILITIES				320
COMMUNICATIONS SUPPORT	LS			(15)
UTILITIES	LS			(80)
PAVEMENTS	LS			(90)
SITE IMPROVEMENTS	LS			(135)
SUBTOTAL				2,889
CONTINGENCY (5%)				144
TOTAL CONTRACT COST				3,033
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				167
TOTAL REQUEST				3,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Includes all structural, electrical, and mechanical work. The addition will have footings, foundations, and floors of reinforced concrete. Includes sprinkler system, heat, water, sewage, mechanical exhaust, and electrical service.

11. REQUIREMENT: 34,380 SF ADEQUATE: 3,500 SF SUBSTANDARD: 35,528 SF

PROJECT: Add to and alter the vehicle maintenance shop.

REQUIREMENT: Adequate space, properly sized and configured, is required to maintain and repair the 1,132 vehicles assigned to this base.

CURRENT SITUATION: Existing vehicle maintenance facilities consist of two buildings. One building is a permanent structure constructed in 1956 as an vehicle maintenance shop. A single bus occupies the entire building which does not allow any other vehicle to be repaired at the same time. The second building was constructed in 1957 but was not designed for vehicle maintenance. It is not practical to alter it into a suitable maintenance shop due to the location of interior load carrying structural supports. Thirty-five vehicles cannot be brought inside to be worked on because doors are too low or interior structural supports do not allow enough room for vehicles to enter. Many doors have already been modified but cannot be modified further to accommodate large vehicles. All 35 of these heavy vehicles have to be worked on outside year round.

IMPACT IF NOT PROVIDED: Vehicle maintenance will continue to be a problem due to the lack of proper maintenance space. This situation is detrimental to capability of the base to support its mission.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK		
4. PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE SHOP		5. PROJECT NUMBER THWA860033

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 SEP 24
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 NOV 22
(2) Basis	
(a) Standard or Definitive Design -	Yes No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	196
(b) All Other Design Costs	37
(c) Total	233
(d) Contract	193
(e) In-house	40
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK	4 PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	721-312	THWA850032	3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (303 PN)	SF	51,500	49	2,523
SUPPORTING FACILITIES				60
SUBTOTAL				2,583
CONTINGENCY (10%)				258
TOTAL CONTRACT COST				2,841
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				156
TOTAL REQUEST				2,997
TOTAL REQUEST (ROUNDED)				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Electrical, structural and mechanical upgrade, noise attenuation, improved personnel safety and energy conservation features, laundry rooms, hallways, and recreational areas. Includes utilities and necessary support. Grade Mix: 303 E1-E4.

11. REQUIREMENT: 1,966 PN ADEQUATE: 1,529 PN SUBSTANDARD: 613 PN

PROJECT: Alter two unaccompanied enlisted housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in the 1950's. They lack privacy, secure personal storage, and individual room temperature controls. They have poor lighting, insulation and sound attenuation, obsolete electrical and mechanical systems, central latrines, inadequate fire protection, and have a generally poor aesthetic environment. This project will provide upgraded facilities which meet current Air Force living standards.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER THWA850032

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 APR 04
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 FEB 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	233
	(b) All Other Design Costs	0
	(c) Total	233
	(d) Contract	201
	(e) In-house	32
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK	4 PROJECT TITLE SECURITY IMPROVEMENTS

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 872-248	7 PROJECT NUMBER THWA892512	8 PROJECT COST ($000) 1,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS			1,024
SECURITY FENCE	LF	45,000	22	(990)
PERSONNEL AND VEHICLE GATES	LS			(34)
SUPPORTING FACILITIES				240
SUBTOTAL				1,264
CONTINGENCY (5%)				63
TOTAL CONTRACT COST				1,327
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				73
TOTAL REQUEST				1,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Eight foot security fencing and area lighting around flightline facilities. Includes personnel and vehicle entry point gates, gate houses, and warning signs.

11. REQUIRMENT: As required.

PROJECT: Construct security improvements to provide a physical and legal line of demarcation for unauthorized personnel and vehicles.

REQUIREMENT: Security improvements are required to provide the essential minimum protection for flightline and industrial complexes and other critical support areas to counter threats of violence to direct mission related resources and possible disruption of the base mission.

CURRENT SITUATION: Security measures in and around the flightline and industrial complexes as well as other critical support areas and facilities do not exist or are minimal. There is no finite line of demarcation that limits access permitted in certain areas and facilities on the base. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base.

IMPACT IF NOT PROVIDED: Lack of these security improvements subjects aircraft, sensitive components, high value equipment and key support facilities to easy access which could result in damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission which would be detrimental to national security.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE, NEW YORK		
4 PROJECT TITLE SECURITY IMPROVEMENTS		5. PROJECT NUMBER THWA892512

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 AUG 12
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 01
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	22
(b) All Other Design Costs	27
(c) Total	49
(d) Contract	37
(e) In-house	12
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT		2 DATE
AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
VANDENBERG AIR FORCE BASE, CALIFORNIA	STRATEGIC AIR COMMAND	1.38

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,094	3,078	1,512	0	0	0	0	0	0	5,684
b. END FY 19 91	1,045	3,087	1,625	0	0	0	0	0	0	5,757

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (98,882)	
b. INVENTORY TOTAL AS OF 30 Sept 85	810,630
c. AUTHORIZATION NOT YET IN INVENTORY	18,010
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,610
g. REMAINING DEFICIENCY	77,050
h. GRAND TOTAL	927,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811-145	Add to and Alter Oak Mountain Power Upgrade	1,000 KW	2,700	Jun 85	Feb 86

9. Future Projects: (a) Included in Following Program (FY 88):

149-962	Aircraft Control Tower	1 EA	2,200

(b) Typical Planned Next Three Years:

130-142	Fire Station	3,160 SF	740
217-721	Communications Facility	12,000 SF	1,600
610-284	Consolidated Headquarters Facility	42,600 SF	5,000
851-147	Alter Road	2,200 LF	700

10. Mission or Major Functions: Active mission support activities include a strategic aerospace division Headquarters responsible for training of all Strategic Air Command missile combat crew members; an Air Force Systems Command Space and Missile Test Center (SAMTEC) Activity which manages research and development testing of space, missile and aircraft systems; and aerospace test wing responsible, under SAMTEC, for directing the activities of an aerospace test group at Vandenberg; a space test group, a SAMTEC unit, which manages and directs all field test and launch activities necessary to place satellites into specified orbits; a missile test group, a SAMTEC unit, responsible for research, development and testing of ballistic missile systems, and the west coast launch site for operation of the Space Transportation System.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	2,550
b. Water pollution:	0
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE ADD TO AND ALTER OAK MOUNTAIN POWER PLANT

5 PROGRAM ELEMENT 7.80.32	6 CATEGORY CODE 811-145	7 PROJECT NUMBER XUMU875005	8 PROJECT COST ($000) 2,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER OAK MOUNTAIN POWER PLANT	KW	1,000	1,430	1,430
SUPPORTING FACILITIES				900
SPECIAL FIRE PROTECTION SYSTEMS	LS			(80)
UTILITIES	LS			(260)
PAVEMENTS	LS			(60)
SITE IMPROVEMENTS	LS			(180)
AIR POLLUTION CONTROL EQUIPMENT	LS			(320)
SUBTOTAL				2,330
CONTINGENCY (10%)				233
TOTAL CONTRACT COST				2,563
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				141
TOTAL REQUEST				2,704
TOTAL REQUEST (ROUNDED)				2,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Expand existing power plant (2,000 SF), replace existing diesel generator, modify site power distribution, install new transformers and panels.

11. REQUIREMENT: 1,000 KW ADEQUATE: 0 KW SUBSTANDARD: 650 KW

PROJECT: Construct an addition to and alter the power plant at Oak Mountain.

REQUIREMENT: A facility of adequate size, configuration and electrical generating capacity is required to provide sufficent and reliable power to critical electronic tracking equipment at Oak Mountain. The telementry system at Oak Mountain supports all vehicle checkouts and launches from Vandenberg AFB. It measures and retransmits telementry data of on-board missile and payload conditions and operations for real time and post-launch evaluations.

CURRENT SITUATION: Reliable power at the Oak Mountain site is insufficient to meet the power demands of critical electronic tracking equipment. The commercial power line providing primary power has repeated power outages, is frequently subjected to high winds and is unreliable. The existing plant does not have sufficient generating power for existing telementry antennas and their associated electronics. Third party financing is not feasible as this plant provides emergency standby power with a relatively small output.

IMPACT IF NOT PROVIDED: Loss of power at the site would cause a delay in high priority programs, or a loss of critical telemetry data that could lead to the destruction of a launched missile and payload or a loss of valuable data of on-board functions.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		
4 PROJECT TITLE ADD TO AND ALTER OAK MOUNTAIN POWER PLANT		5 PROJECT NUMBER XUMU875005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 21
	(b) Percent Complete as of January 1986	95
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 10
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	189
	(b) All Other Design Costs	108
	(c) Total	297
	(d) Contract	224
	(e) In-house	73
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI	4 COMMAND STRATEGIC AIR COMMAND	5 AREA CONSTR COST INDEX 0.92

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	443	2,619	456	0	0	0	0	0	0	3,518
b. END FY 19 91	451	2,626	455	0	0	0	0	0	0	3,532

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,779)	
b. INVENTORY TOTAL AS OF 30 Sept 85	136,850
c. AUTHORIZATION NOT YET IN INVENTORY	4,650
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	20,650
g. REMAINING DEFICIENCY	14,300
h. GRAND TOTAL	192,400

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
432-283	Cold Storage Facility	5,970 SF	1,200	Nov 83	Jul 85
812-000	Alter Electrical Distribution System	LS	9,500	Aug 85	Sep 86
	Total		10,700		

9. Future Projects: (a) Included in Following Program (FY 88):

841-427	Water Storage Tank	250 KG	600
610-249	Wing Headquarters	43,300 SF	4,650
	Total		5,250

(b) Typical Planned Next Three Years:

141-453	Base Flight Operations Facility	16,220 SF	2,450
724-417	Visiting Officers Quarters	34 PN	2,400
730-772	Religious Education Facility	10,000 SF	7,450

10. Mission or Major Functions: Active mission support activities include a strategic missile wing consisting of three Minuteman missile squadrons which maintain a continuous alert posture; and a Military Airlift Command aerospace rescue and recovery squadron.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI	4 PROJECT TITLE COLD STORAGE FACILITY

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 431-283	7 PROJECT NUMBER YWTG781003	8 PROJECT COST ($000) 1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COLD STORAGE FACILITY	SF	5,970	158	943
SUPPORTING FACILITIES				140
UTILITIES	LS			(100)
SITE IMPROVEMENT	LS			(40)
SUBTOTAL				1,083
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,137
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				63
TOTAL REQUEST				1,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct cold storage facility with reinforced concrete foundation, floor slab, masonry walls and built-up roof system. Project includes cold and dry storage areas, troop issue area, administrative support, latrines, loading dock, vehicle parking, utilities and other necessary support.

11. REQUIREMENT: 5,970 SF ADEQUATE: 0 SUBSTANDARD: 2,650 SF

PROJECT: Construct a new cold storage facility.

REQUIREMENT: Adequate storage space, properly size and configured, is required to support subsistance supplies, troop issue and central distribution center requirements. Project must include space for all perishable and non-perishable items to support base food service facilities such as dining halls, in-flight and crash kitchens and all frozen foil pack meals and other subsistance necessary to support assigned personnel.

CURRENT SITUATION: The existing cold storage facility is a converted meat cutting plant built in 1954 which provides less than one-half the space necessary to support current requirements. The facility is deteriorated, has inadequate wiring and piping systems and provides unpleasant working conditions. Its size, condition and configuration are not compatible with current needs. It has 20-foot high ceilings, insufficient lighting and insulation and requires excessive maintenance to keep operational. It cannot accommodate modern food handling and storage equipment. The existing building will be demolished.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE COLD STORAGE FACILITY		5. PROJECT NUMBER YWTG781003

IMPACT IF NOT PROVIDED: There will be insufficient adequate space for personnel subsistance and troop issue supplies which could have an adverse impact on troop morale and well being which would be detrimental to the base mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE COLD STORAGE FAC		5. PROJECT NUMBER YWHG781003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	83 NOV 03
	(b)	Percent Complete as of January 1986	100
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	85 JUL 01
(2)	Basis		
	(a)	Standard or Definitive Design -	Yes No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	135
	(b)	All Other Design Costs	0
	(c)	Total	135
	(d)	Contract	86
	(e)	In-house	49
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI	4 PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.18.96	812-000	YWHG871001	9,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER ELECTRICAL DISTRIBUTION SYSTEM	LS			7,950
OVERHEAD DISTRIBUTION LINES	LF	10,000	10	(100)
UNDERGROUND DISTRIBUTION LINES	LF	475,000	14	(6,650)
NEW TRANSFORMERS	LS			(1,200)
SUPPORTING FACILITIES				245
SUBTOTAL				8,195
CONTINGENCY (10%)				820
TOTAL CONTRACT COST				9,015
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				496
TOTAL REQUEST				9,511
TOTAL REQUEST (ROUNDED)				9,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Upgrade the existing 4,160 volt distribution system to a 15KV system with overhead and underground distribution lines. Construct new and upgrade existing substation to be fed from independant circuits providing alternate power capabilities. Provide loop feeder circuits, street lighting, and alert lighting.

11. REQUIREMENT: As required.

PROJECT: Alter the existing primary electrical distribution system.

REQUIREMENT: A primary electrical distribution system with sufficient capacity, switching capability, reliability, security and economic operational efficiency is required to provide power to all base facilities.

CURRENT SITUATION: The existing 4.16 KV electrical distribution system is over 30 years old and difficult to support with replacement parts increasingly hard to obtain. A reliable energy source is a critical factor in insuring that supporting facilities are in continuous operation for mission accomplishment. The existing system has no capability to transfer loads during peak times and does not provide dependability and flexibility due to the obsolescence of the substation, transformers, circuit breakers and switching gear. Power is now transmitted to the base from a single transmission line. There are no alternate sources capable of serving the existing base system, nor can the base reroute power through alternate feeders or transformers to immediately correct an outage problem. All base facilities and functions would be without power and unable to continue to operate during such outages. Two separate substations, each served from independent transmission lines and each with the capacity to provide

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM		5. PROJECT NUMBER YWHG871001

power for the entire base, are required to insure reliable service to all base facilities. In addition to increased reliability, two substations offer flexibility for conducting maintenance operations without having extended outages.

IMPACT IF NOT PROVIDED: Continued reliance on the single power source which could cause extended power outages in case of failure. All base facilities and functions would be adversely affected during a power outage which would be detrimental to the base mission.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM		5. PROJECT NUMBER YWTG871001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 AUG 13
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 01

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - 87

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	0
(b)	All Other Design Costs	0
(c)	Total	0
(d)	Contract	0
(e)	In-house	0

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 1.06

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	408	2,646	377	0	0	0	0	0	0	3,431
b. END FY 19 91	411	2,800	383	0	0	0	0	0	0	3,594

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,223)	
b. INVENTORY TOTAL AS OF 30 Sept 85	168,600
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,740
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,830
f. PLANNED IN NEXT THREE PROGRAM YEARS	27,760
g. REMAINING DEFICIENCY	49,320
h. GRAND TOTAL	264,250

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	B-52 Rebasing Support Facilities	LS	10,550	Oct 84	Sep 86
800-000	ECIP-Boiler Improvements	LS	320	Jan 85	Sep 85
872-247	Security Improvements	LS	870	Jul 85	May 86
	Total		11,740		

9. Future Projects: (a) Included in Following Program (FY 87):

171-212	KC-135 CPT Simulator Facility	3,500 SF	830
211-183	T-9 Noise Suppressor Support Facility	LS	800
721-312	Alter Unaccompanied Enlisted Personnel Housing	370 PN	5,200
	Total		6,830

(b) Typical Planned Next Three Years:

722-351	Dining Hall	LS	4,000
841-000	Potable Water Supply	LS	14,200

10. Mission or Major Functions: Active mission support activities include an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; and a heavy bombardment operational wing including a B-52 squadron and a KC-135 squadron which maintains a bomber and tanker alert force.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN	4. PROJECT TITLE B-52 REBASING SUPPORT FACILITIES

5 PROGRAM ELEMENT 1.11.13	6 CATEGORY CODE 100-000	7. PROJECT NUMBER ZJXD870000	8. PROJECT COST ($000) 10,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-52 REBASING SUPPORT FACILITIES	LS			10,550
ADD TO AIRCRAFT PARKING APRON	SY	40,000		(4,450)
ADD TO AND ALTER ALERT AIRCRAFT PARKING AREA	SY	38,800		(2,700)
ADD TO AND ALTER ALERT CREW FACILITY	LS			(1,900)
ADD TO HYDRANT REFUELING WITH CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) PROVISIONS	EA	4		(1,500)
TOTAL REQUEST				10,550

NOTE 1. THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5.0% FOR NEW OR 10.0% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.5%).

NOTE 2: THE DD FORM 1391/1391C SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE CRUISE MISSILE BEDDOWN AT THIS BASE. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391/1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Modify existing pavements and facilities to provide essential support for an increase in the B-52 mission. Provides expansion and alteration of aircraft parking and alert aprons, hydrant refueling system, and alert crew quarters. Includes under apron ductwork for a central aircraft.

11. REQUIREMENT: As required.

PROJECT: Add to and alter existing facilities to support an increase of three B-52 aircraft assigned to this base.

REQUIREMENT: Facilities are required to support an increase in B-52 aircraft being assigned to this base. Additional aircraft maintenance parking, alert aircraft parking, aircraft refueling capability and alert crew facilities are necessary to accommodate this increase.

CURRENT SITUATION: Existing facilities are sized to handle the currently assigned aircraft. The maintenance and operational apron does not have the space to park additional aircraft. The increase in B-52s will generate additional aircraft on alert for which the existing alert aircraft parking area is not currently configured to handle. The existing hydrant fueling system is sized to accommodate the current B-52s and KC-135 missions. The new additional apron will require an expansion of the existing hydrant system to serve the additional parking spaces. Underground provisions will be included for future installation of CASS. The existing alert crew facility is too small to house additional aircrew members on alert and, in addition, must be enlarged to meet new criteria for crew quarters. The existing facility is overcrowded with two or three aircrew members living in one room.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN		
4. PROJECT TITLE B-52 REBASING SUPPORT FACILITIES		5. PROJECT NUMBER ZJXD870000

IMPACT IF NOT PROVIDED: The base will be unable to properly accommodate the increase in B-52 aircraft being assigned to this base. This could have an adverse impact on mission capability and be detrimental to national security.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN	4 PROJECT TITLE B-52 ADD TO AIRCRAFT PARKING APRON

5 PROGRAM ELEMENT 1.11.13	6 CATEGORY CODE 113-321	7 PROJECT NUMBER SGER860052	8 PROJECT COST ($000) 4,450

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-52 ADD TO AIRCRAFT PARKING APRON	SY	40,000	85	(3,400)
SUPPORT FACILITIES	LS			612
SHOULDERS	LS			(132)
WATER	LS			(50)
STORM DRAINAGE	LS			(200)
DEMOLITION	LS			(170)
ROADS	LS			(60)
SUBTOTAL				4,012
CONTINGENCY (5%)				201
TOTAL CONTRACT COST				4,213
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				232
TOTAL REQUEST				4,445
TOTAL REQUEST (ROUNDED)				4,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct additional aircraft operational and maintenance parking apron to include 21-inch concrete pavement with base, three-inch aspholtic concrete shoulders with basse, paved roads, relocation of existing storm drain, apron lighting utilities and other necessary support.

11. REQUIREMENT: 40,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an addition to the existing aircraft operation and maintenance parking apron.

REQUIREMENT: The programmed increase in B-52 aircraft to be assigned to this base plus an existing deficiency of two aircraft parking spaces requires additional parking apron to accommodate these aircraft. The existing apron must be expanded to accommodate four aircraft parking spaces.

CURRENT SITUATION: There is currently an existing deficiency in aircraft parking space which will be compounded by the scheduled increase in B-52 bombers being assigned to this base. The extra aircraft are now being parked in maintenance docks when these facilities are not in use or are parked in inadequate, separated locations on base.

IMPACT IF NOT PROVIDED: If this project is not provided, the current and programmed increases in assigned aircraft cannot be parked. This will create an intolerable operation and maintenance situation which will detract from mission capability and be detrimental to national security.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN		
4. PROJECT TITLE B-52 - ADD TO AIRCRAFT PARKING APRON		5. PROJECT NUMBER SGER860052

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 OCT 23
(b) Percent Complete as of January 1986	30
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 15
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	305
(b) All Other Design Costs	0
(c) Total	305
(d) Contract	5
(e) In-house	300
(4) Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN	4. PROJECT TITLE B-52 ADD TO AND ALTER ALERT AIRCRAFT PARKING AREA

5 PROGRAM ELEMENT 1.11.13	6 CATEGORY CODE 113-321	7. PROJECT NUMBER SGER860051	8. PROJECT COST ($000) 2,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-52 ADD TO AND ALTER ALERT AIRCRAFT PARKING AREA	SY	38,800	54	2,095
SUPPORTING FACILITIES				250
UTILITIES	LS			(95)
PAVEMENTS	LS			(95)
SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				2,345
CONTINGENCY (10%)				235
TOTAL CONTRACT COST				2,580
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				142
TOTAL REQUEST				2,722
TOTAL REQUEST (ROUNDED)				2,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct additional concrete pavement parking apron to a twelve space alert area. Project includes expansion of two existing parking stubs to permit three additional parking spaces, roads, fencing, an addition to the existing entry control point, lighting, utilities and other necessary support.

11. REQUIREMENT: 38,800 SY ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an addition to and alter the existing alert aircraft parking area.

REQUIREMENT: Aircraft on alert, both B-52 bombers and KC-135 tankers, require adequate parking apron on which to stand their alert committment.

CURRENT SITUATION: The programmed increase in B-52 aircraft to be assigned to this base creates an increase in the number of aircraft required to stand alert. The existing alert area has nine standard parking spaces but is required to accommodate five B-52s and five KC-135s on alert. The extra KC-135 aircraft is now positioned between stubs at the end of the alert apron which is possible because the KC-135 is a smaller aircraft. The total requirement calls for one new space for the increase in B-52s, one space for a changeover stub to facilitate upload/download of nuclear weapons and a space to properly position the extra KC-135 now parked between stubs.

IMPACT IF NOT PROVIDED: If this project is not provided, the required number of aircraft that must be on alert cannot be supported which would have an adverse impact on our strategic defense and retaliatory capability and national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN		
4. PROJECT TITLE B-52 - ADD TO AND ALTER ALERT AIRCRAFT PARKING AREA		5. PROJECT NUMBER SGER860051

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		84 OCT 09
(b) Percent Complete as of January 1986		30
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 APR 15
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		999
(b) All Other Design Costs		0
(c) Total		999
(d) Contract		809
(e) In-house		190
(4) Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN	4. PROJECT TITLE B-52 ADD TO AND ALTER ALERT CREW FACILITY

5. PROGRAM ELEMENT 1.11.13	6. CATEGORY CODE 141-459	7. PROJECT NUMBER SGER872594	8. PROJECT COST ($000) 1,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-52 ADD TO AND ALTER ALERT CREW FACILITY	LS			1,539
ADDITION	SF	9,700	115	(1,116)
ALTERATION	SF	18,500	20	(370)
ACCESS TUNNELS	LS			(53)
SUPPORTING FACILITIES				185
COMMUNICATIONS	LS			(55)
UTILITIES	LS			(80)
ROADS	LS			(20)
SITE IMPROVEMENTS	LS			(30)
SUBTOTAL				1,724
CONTINGENCY (5%)				86
TOTAL CONTRACT COST				1,810
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				100
TOTAL REQUEST				1,910
TOTAL REQUEST (ROUNDED)				1,900

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct an addition with reinforced concrete foundation, floor slab, masonry walls and roof system to match existing building. All structural, mechanical and electrical work necessary to alter the existing facility to include expansion and upgrade of the kitchen and dining areas, provide additional sleeping rooms, utilities, access tunnel and other necessary support.

11. REQUIREMENT: 28,200 SF ADEQUATE: 0 SUBSTANDARD: 18,500 SF

PROJECT: Construct an addition to and alter the existing alert crew facility.

REQUIREMENT: The programmed increase in B-52 aircraft assigned to this base and a change in criteria for space allowed crew members on alert status require an increase in the existing alert crew quarters to accommodate the corresponding increase in alert crew personnel.

CURRENT SITUATION: The existing facility is too small to accommodate the increase in B-52 bombers assigned to this base. In addition, a change in criteria to provide aircrew members with space meeting current standards has caused an additional increase in required space. This project will enlarge and alter the existing facility to satisfy the new criteria and accommodate additional alert crews. The existing facility is overcrowded which has resulted in personnel living two or three per room. The increase in assigned aircraft has caused an increase of aircraft and aircrews on alert which endangers the already overcrowded area.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate alert

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN		
4. PROJECT TITLE B-52 - ADD TO AND ALTER ALERT CREW FACILITY		5. PROJECT NUMBER SGER872594

crew quarters will not be available which would have an adverse impact on crew morale and well being. This would be detrimental to the alert mission and response capability.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN		
4. PROJECT TITLE B-52 - ADD TO AND ALTER ALERT CREW FACILITY		5. PROJECT NUMBER SGER872594

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 01
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 15

(2) Basis

(a) Standard or Definitive Design -- Yes No X

(b) Where Design Was Most Recently Used -

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	119
(b)	All Other Design Costs	0
(c)	Total	119
(d)	Contract	95
(e)	In-house	24

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN	4 PROJECT TITLE B-52 ADD TO HYDRANT REFUELING WITH CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) PROVISIONS

5 PROGRAM ELEMENT 1.11.13	6 CATEGORY CODE 121-122	7 PROJECT NUMBER SGER860053	8 PROJECT COST ($000) 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
B-52 ADD TO HYDRANT REFUELING WITH CENTRAL AIRCRAFT SUPPORT SYSTEM (CASS) PROVISIONS	EA	4	313,500	1,254
SUPPORTING FACILITIES				100
UTILITIES	LS			(60)
DEMOLITION	LS			(40)
SUBTOTAL				1,354
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,422
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				78
TOTAL REQUEST				1,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct an addition to the existing hydrant refueling system to include provisions for a Central Aircraft Support System (CASS). Project includes 12-inch stainless steel refueling line, with protective wrapping, hydrant pits, valves, utilities, under-apron ductwork for CASS and other necessary support.

11. REQUIREMENT: 44 EA ADEQUATE: 40 EA SUBSTANDARD: 0

PROJECT: Construct an addition to the existing aircraft hydrant refueling system with under-apron support for the installation of a CASS.

REQUIREMENT: The programmed increase in B-52 aircraft assigned to this base requires additional hydrant refueling capability within the new operational and maintenance parking apron.

CURRENT SITUATION: The existing aircraft parking apron currently has adequate hydrant refueling capability but is not large enough to accommodate additional aircraft. As a result, the apron must be expanded to handle the increased parking requirement. The existing hydrant refueling system must be extended to provide adequate refueling capability to the new parking spaces. Provision for a CASS must also be provided to permit future installation of CASS support equipment. Refueling by truck is not practical due to time constraints imposed by turnaround requirements and the large fuel capacity of B-52 and KC-135 aircraft.

IMPACT IF NOT PROVIDED: If this project is not provided, timely and efficient refueling of aircraft cannot be accomplished to support mission requirements. This would have an adverse impact on aircraft availability which would be detrimental to our strategic defense and national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WURTSMITH AIR FORCE BASE, MICHIGAN		
4. PROJECT TITLE B-52 - ADD TO HYDRANT REFUELING WITH CENTRAL ACFT SUPPORT SYSTEM		5. PROJECT NUMBER SGER860053

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 OCT 23
	(b) Percent Complete as of January 1986	30
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 APR 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	110
	(b) All Other Design Costs	0
	(c) Total	110
	(d) Contract	5
	(e) In-house	105
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
DAVIS MONTHAN AFB, AZ				535
AIRCRAFT PROCESSING APRON (MASDC)	3,400	3,400	95	536
CONTROL TOWER	2,400	2,400	100	539
GLCM-CONSOLIDATED STORAGE	1,900	1,900	90	541
BASE CIVIL ENGINEER ADMINISTRATIVE FACILITY	2,600	2,600	90	543
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5,300	5,300	35	545
ECIP-ALTER HEAT/VENTILATION/ AIR CONDITIONING	230	230	100	1067
BASE SUBTOTAL:	15,830	15,830		
ENGLAND AFB, LA				547
BASE CIVIL ENGINEER ADMINISTRATIVE FACILITY	2,300	2,300	100	548
BASE SUBTOTAL:	2,300	2,300		
GEORGE AFB, CA				550
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	1,900	1,900	70	551
RESOURCE MANAGEMENT FAC	7,650	7,650	65	553
VISITING PERSONNEL QUARTERS	5,000	5,000	65	555
BASE SUBTOTAL:	14,550	14,550		
HOLLOMAN AFB, NM				558
SATELLITE COMMUNICATIONS SYSTEMS SECURITY	600	600	95	1091
TACTICAL OPERATIONS CENTER	3,350	3,350	90	559
RADAR TARGET SCATTER MODERNIZATION-PHASE II	4,160	4,160	85	562
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,500	4,500	90	564
LAND ACQUISITION	2,150	2,150	N/A	566
BASE SUBTOTAL:	14,760	14,760		
HOMESTEAD AFB, FL				569
SOUND SUPPRESSOR SUPPORT	730	730	60	1084
F-16-ECM POD SHOP AND STORAGE	1,650	1,650	95	570
MEDICAL WAR RESERVE MATERIAL FACILITY	770	770	90	1085
DINING HALL AND TROOP ISSUE FACILITY	3,400	3,400	98	572
BASE SUBTOTAL:	6,550	6,550		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
INDIAN SPRINGS AAF, NE				575
CONTROL TOWER	1,700	1,700	50	576
BASE SUBTOTAL:	1,700	1,700		
LANGLEY AFB, VA				578
ASAT-INTEGRATED MAINTENANCE FACILITIES	0	9,300	100	581
ASAT-MISSILE AND MOTOR STORAGE	0	1,900	100	585
ASAT-ADMINISTRATIVE BUILDING	0	500	100	587
ASAT-HAZARDOUS MATERIALS STORAGE	0	300	100	587
ASAT-CONTROL CENTER	0	420	100	587
ASAT-SECURITY CONTROL	0	280	100	587
BASE SUPPLY COMPLEX-PHASE III	4,450	4,450	65	588
ADD TO AND ALTER DATA PROCESSING FACILITY	3,550	3,550	90	591
ECIP-UPGRADE HEATING SYSTEMS	1,640	1,640	95	1068
ASAT-UTILITIES AND SITE WORK	0	2,900	100	583
BASE SUBTOTAL:	9,640	25,240		
LUKE AFB, AZ				594
JP-4 VAPOR INCINERATION SYSTEM	1,350	1,350	50	595
NONDESTRUCTIVE INSPECTION FACILITY	740	740	80	1076
SMALL AIRCRAFT MAINTENANCE DOCKS	6,380	6,380	80	597
MEDICAL WAR READINESS MATERIAL FACILITY	720	720	85	1077
F-16-WING HEADQUARTERS FACILITY	0	1,350	95	599
BASE SUBTOTAL:	9,190	10,540		
MACDILL AFB, FL				601
MEDICAL WAR RESERVE MATERIAL FACILITY	780	780	40	1085
BASE CONTRACTING FACILITY	1,350	1,350	85	602
ALTER USREDCOM COMMAND CENTER	1,600	1,600	50	604
BASE SUBTOTAL:	3,730	3,730		
MOODY AFB, GA				606
AIR FORCE COMMUNICATIONS COMMAND MAINTENANCE FACILITY	900	900	35	1085
BASE SUBTOTAL:	900	900		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
MOUNTAIN HOME AFB, ID				607
SOUND SUPPRESSOR SUPPORT	700	700	95	1086
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	520	520	100	1086
NAVIGATION AIDS/COMMUNICATION MAINTENANCE SHOP	840	840	60	1087
COMBAT SUPPORT CENTER	8,700	8,700	100	608
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (OTH-B)	4,000	4,000	100	611
BASE SUBTOTAL:	14,760	14,760		
MYRTLE BEACH AFB, SC				613
AIRCRAFT CORROSION CONTROL FACILITIES	3,000	3,000	60	614
BASE SUBTOTAL:	3,000	3,000		
NELLIS AFB, NV				617
PARALLEL TAXIWAY/LAND ACQUISITION	7,300	7,300	95	618
BASE ENGINEERING COMPLEX-PHASE I	7,700	7,700	45	620
COMBAT SUPPORT CENTER	6,200	6,200	80	623
DINING HALL	2,600	2,600	55	625
BASE SUBTOTAL:	23,800	23,800		
SEYMOUR-JOHNSON AFB, SC				627
SOUND SUPPRESSOR SUPPORT	660	660	100	1092
AIRCRAFT MAINTENANCE SUPPLY WAREHOUSE	2,100	2,100	40	628
BASE SUBTOTAL:	2,760	2,760		
SHAW AFB, SC				630
ADD TO AND ALTER WEAPONS SYSTEM MAINTENANCE MANAGEMENT FACILITY	0	1,150	95	631
ADD TO AND ALTER 9TH AIR FORCE HEADQUARTERS	3,700	3,700	95	633
BASE SUBTOTAL:	3,700	4,850		
TYNDALL AFB, FL				635
CONSOLIDATED TRAINING FACILITY	0	1,500	100	636
ECIP-FACILITY ENERGY IMPROVEMENTS	600	600	60	1067
BASE SUBTOTAL:	600	2,100		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
WEST CONUS				638
OTH-B RADAR TRANSMITTER STANDBY POWER LINE	18,000	18,000		639
OTH-B RADAR TRANSMITTER AND RECEIVER SUPPORT FACILITIES	2,800	2,800	35	641
BASE SUBTOTAL:	20,800	20,800		
COMMAND TOTAL:	191,130	210,730		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION AVON PARK (MACDILL AFB,) FLORIDA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 0.77

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,181)	
b. INVENTORY TOTAL AS OF 30 Sept 85	6,965
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	3,000
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	17,065

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111-111	Extend Runway	60,100 SY	4,100	Jul 85	Mar 86
	Total		4,100		

9. Future Projects: (a) Included in Following Program (FY 88):

141-454	Electronic Warfare and Vehicle Maintenance	34,500 SF	3,000
	(b) Typical Planned Next Three Years:		
724-417	Visiting Officers Quarters	30 PN	1,000
219-944	Base Engineering Complex	15,110 SF	800
442-758	Base Supply and Equipment	4,580 SF	200

10. Mission or Major Functions: USAF Air-to-Surface Gunery Range.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION AVON PARK (MACDILL AFB), FLORIDA	4 PROJECT TITLE EXTEND RUNWAY

5 PROGRAM ELEMENT 2.71.33	6 CATEGORY CODE 111-111	7 PROJECT NUMBER ASPR873708	8 PROJECT COST ($000) 4,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXTEND RUNWAY	LS			1,304
RUNWAY EXTENSION PORTLAND CEMENT CONCRETE	SY	16,700	38	(634)
RUNWAY EXTENSION ASPHALT CONCRETE	SY	26,700	17	(453)
OVERRUN	SY	16,700	13	(217)
SUPPORTING FACILITIES				2,380
SITE IMPROVEMENTS	LS			(2,040)
UTILITIES	LS			(340)
SUBTOTAL				3,684
CONTINGENCY (5%)				184
TOTAL CONTRACT COST				3,868
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				213
TOTAL REQUEST				4,081
TOTAL REQUEST (ROUNDED)				4,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a 43,400 SY (2,600 LF) extension of runway 05/23 and 16,700 SY (1,000 LF) of overrun. R/W extension also requires construction of 6,200 LF drainage canal (extension of Rim Canal) and storm drainage structures.

11. REQUIREMENT: 148,700 SY ADEQUATE: 88,600 SY SUBSTANDARD: 87,292 SY

PROJECT: Extend Runway.

REQUIREMENT: Runway extension to support MacDill based F-16 aircraft. This extension will provide a suitable emergency landing runway at the Avon Park Gunnery Range Complex. Use of Avon Park Gunnery Range will continue to increase as the number of aircraft and pilots in training. A third gunnery range is currently under development at Avon Park and will further increase fighter operations. The runway extension is required on the NE end to allow the present departure and aircraft arresting barrier configuration to remain intact.

CURRENT SITUATION: MacDill Auxillary Airfield runway length is marginally suitable for flameout landings and virtually always requires a successful barrier engagement to prevent aircraft from leaving the runway. During CYs 83-85, there were 66 in-flight emergencies resulting in 45 barrier engagements. This runway extension will provide suitable runway length to safely recover F-16s and other fighter aircraft that otherwise would have a high probability of damage or destruction due to an unsuccessful barrier engagement.

IMPACT IF NOT PROVIDED: Operations will continue to expose aircrews and the $16M F-16 aircraft to a runway length not suitable for emergency landings.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

AVON PARK AIR FORCE BASE, FLORIDA

4. PROJECT TITLE EXTEND RUNWAY	5. PROJECT NUMBER ASPR873708

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JUL 08
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 MAR 24
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	242
	(b)	All Other Design Costs	0
	(c)	Total	242
	(d)	Contract	88
	(e)	In-house	154
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2 DATE

3 INSTALLATION AND LOCATION
BANGOR INTERNATIONAL AIRPORT
(MEANG), MAINE)

4 COMMAND
TACTICAL AIR COMMAND

5 AREA CONSTR COST INDEX
1.31

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	3	11	5							19
b. END FY 19 91	19	196	70							285

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (201)	
b. INVENTORY TOTAL AS OF 30 Sept 85	21,462
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	29,712

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740-674	Physical Fitness Facility	13,300 SF	1,250	Aug 82	Mar 85
	Total		1,250		

9. Future Projects: (a) Included in Following Program (FY 88):

510-000 OTH-B Clinic	38,180 SF	7,000

10. Mission or Major Functions: Operation and Support of the Over the Horizon Backscatter Radar System to provide early warning of an enemy air attack.

11. Oustanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT (MEANG), MAINE	4. PROJECT TITLE PHYSICAL FITNESS FACILITY

5. PROGRAM ELEMENT 1.24.17	6. CATEGORY CODE 740-674	7. PROJECT NUMBER 85FKNN0207BK	8. PROJECT COST ($000) 1,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS FACILITY	SF	13,300	69	917
SUPPORTING FACILITIES				225
UTILITIES	LS			(70)
PAVEMENTS	LS			(20)
SITE IMPROVEMENTS	LS			(70)
COMMUNICATIONS	LS			(65)
SUBTOTAL				1,142
CONTINGENCY (5%)				57
TOTAL CONTRACT COST				1,199
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				66
TOTAL REQUEST				1,265
TOTAL REQUEST (ROUNDED)				1,250

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and slab, masonry walls, built-up roof on steel deck. Facility includes basketball court, two racquetball courts, exercise room, locker rooms, utilities and necessary support.

11. REQUIREMENT: 13,300 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a physical fitness facility.

REQUIREMENT: Functional and adequately sized gymnasiums are an essential feature of the living and working environment of personnel on an Air Force base. Physical well-being and good morale, resulting in part from facilities providing for exercise and team and individual sports are essential to the development and retention of personnel.

CURRENT SITUATION: No gymnasium or other physical conditioning facilities exist.

IMPACT IF NOT PROVIDED: The continued lack of any physical fitness facility will have an adverse effect on the morale and well-being of assigned military personnel. This detracts from the Air Force's ability to attract and retain highly trained personnel.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE
3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT, MAINE		
4. PROJECT TITLE PHYSICAL FITNESS FACILITY		5. PROJECT NUMBER 85FKNN0207BK

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	82 AUG 30
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	83 AUG 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	99
	(b) All Other Design Costs	17
	(c) Total	116
	(d) Contract	102
	(e) In-house	14
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION BASE 37, CLASSIFIED LOCATION	4 COMMAND TACTICAL AIR COMMAND	5 AREA CONSTR COST INDEX

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE N/A	
b INVENTORY TOTAL AS OF 30 Sept 85	
c AUTHORIZATION NOT YET IN INVENTORY	
d AUTHORIZATION REQUESTED IN THIS PROGRAM	14,950
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f PLANNED IN NEXT THREE PROGRAM YEARS	
g REMAINING DEFICIENCY	
h GRAND TOTAL	

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	F-15- Beddown Various Support Facilities	LS	14,950	Jul 85	Jul 86

9. Future Projects: N/A

10. Mission or Major Functions: N/A

11. Oustanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 37	4 PROJECT TITLE F-15E BEDDOWN - VARIOUS SUPPORT FACILITIES

5 PROGRAM ELEMENT 2.71.30	6 CATEGORY CODE 100-000	7 PROJECT NUMBER MUHJ873020	8 PROJECT COST ($000) 14,950

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-15E BEDDOWN VARIOUS SUPPORT FACILITIES	LS			14,950
ADD TO AND ALTER FLIGHT SIMULATOR FACILITY	SF	31,400		(7,200)
SQUADRON OPERATIONS FACILITIES	LS	24,000		(3,100)
FIELD TRAINING DETACHMENT FACILITY	LS	28,000		(2,800)
ALTER FACILITY FOR F-15 FLIGHT ACADEMICS	LS	18,300		(1,200)
FUEL TANK STORAGE FACILITY	SY	9,100		(650)
TOTAL REQUEST				14,950

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NRE FACILITIES OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION, OVERHEAD (SIOH, 5.5%).

NOTE 2: THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE F-15E BEDDOWN AT Base 37. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391/1391c.

10 DESCRIPTION OF PROPOSED CONSTRUCTION New construction with reinforced concrete foundations and floor slabs, roof and wall systems, utilities, and necessary support. Alterations include all work required to support operational requirements and all necessary utilities upgrade and support.

11. REQUIREMENT: As required.

PROJECT: Modify existing facilities and construct several new facilities to provide critical maintenance, logistics, operations and training support for the F-15E beddown at this base.

REQUIREMENT: F-15E aircraft will arrive at this base in FY 88. Adequate maintenance, logistics, operations and training facilities are required in support of this two squadron beddown.

CURRENT SITUATION: This is the first base in the Air Force to beddown the F-15E. Maximum use of existing facilities will be made, however, some new facilities and alterations to existing facilities are required due to unique systems associated with F-15E.

IMPACT IF NOT PROVIDED: Failure to alter and construct essential maintenance, storage, operational and training facilities will result in the inability to support the F-15E at this location.

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 37	4 PROJECT TITLE ADD TO AND ALTER FLIGHT SIMULATOR FACILITY

5 PROGRAM ELEMENT 2.71.30	6 CATEGORY CODE 171-212	7 PROJECT NUMBER MUHJ873023	8 PROJECT COST ($000) 7,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER FLIGHT SIMULATOR FACILITY	LS			5,446
ADDITION	SF	28,900	185	(5,346)
ALTERATION	SF	2,500	40	(100)
SUPPORTING FACILITIES				1,030
TEMPEST SHIELDING	LS			(590)
COMMUNICATIONS	LS			(170)
UTILITIES	LS			(110)
SITE IMPROVEMENTS	LS			(80)
SPECIAL FIRE PROTECTION	LS			(55)
PAVEMENTS	LS			(25)
SUBTOTAL				6,476
CONTINGENCY (5%)				324
TOTAL CONTRACT COST				6,800
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				374
TOTAL REQUEST				7,174
TOTAL REQUEST (ROUNDED)				7,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Add to and alter Flight Simulator Bldg 617. Work includes the construction of a 48-foot high, 3-story bay addition to Bldg 417 and interior alterations. Alteration work includes wall and partition removal and relocation/replacement, floor demolition, raised flooring, lowered ceiling, alteration of electrical and mechanical systems and tempest shielding. Addition includes concrete foundations and floor slab, metal walls, steel roof trusses and metal roof. Mechanical room, utilities and other support.

11. REQUIREMENT: 71,900 SF ADEQUATE: 40,500 SUBSTANDARD: 2,500 SF

PROJECT: Addition to and alter Flight Simulator Facility, Bldg 617.

REQUIREMENT: A properly sized and configured facility is required to house the Air Force's first two full field of vision Weapon System Trainers (WST) in support of the F-15E training program. These new F-15E WSTs require a facility with large open bay area (70' x 70') and a high ceiling (48'). Requirement can be met by constructing an addition to existing simulator facility with a 48-foot high ceiling.

CURRENT SITUATION: Bldg 617 houses two (2) simulated Air to Air Combat (SAAC) Simulators and one F-16 WST. The Developmental Engineering Prototype Site (DEPS) is located on two floors adjacent to the F-16 Simulator Bay. With the addition of the two simulator bays for the F-15E WSTS and the relocation of the F-16 WST into the new F-16 Simulator Facility, DEPS can reorganize into a single floor configuration by expanding into the vacated F-16 bay. The vacated mezzanine used by DEPS can be made available for F-15E simulator maintenance/administrative personnel.

IMPACT IF NOT PROVIDED: Base 37 is the only training Base for F-15E's and without this project the vitally required simulator equipment cannot

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 37		
4. PROJECT TITLE ADD TO AND ALTER FLIGHT SIMULATOR FACILITY		5. PROJECT NUMBER MUHJ873023

be placed into operation causing severe adverse impact upon training capability for this worldwide commitment.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 37		
4. PROJECT TITLE ADDITION TO AND ALTERATION OF FLIGHT SIMULATOR FACILITY		5. PROJECT NUMBER MUHJ873023

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUL 08
(b)	Percent Complete as of January 1986	50
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 11

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	343
(b)	All Other Design Costs	138
(c)	Total	481
(d)	Contract	406
(e)	In-house	75

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 37	4. PROJECT TITLE SQUADRON OPERATIONS FACILITIES

5 PROGRAM ELEMENT 2.71.30	6 CATEGORY CODE 141-753	7. PROJECT NUMBER MUBJ873021	8. PROJECT COST ($000) 3,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SQUADRON OPERATIONS FACILITIES	SF	24,000	75	1,800
SUPPORTING FACILITIES				1,010
UTILITIES	LS			(330)
TEMPEST SHIELDING	LS			(295)
SITE IMPROVEMENTS	LS			(170)
COMMUNICATIONS	LS			(110)
SPECIAL FIRE PROTECTION	LS			(70)
PAVEMENTS	LS			(35)
SUBTOTAL				2,810
CONTINGENCY (5%)				141
TOTAL CONTRACT COST				2,951
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				162
TOTAL REQUEST				3,113
TOTAL REQUEST (ROUNDED)				3,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and floor slab, masonry walls, steel roof trusses, precast concrete roof deck with built-up roof. Project includes latrines, mechanical equipment, utilities and other support.

11. REQUIREMENT: 70,000 SF ADEQUATE: 46,000 SF SUBSTANDARD: 18,668 SF

PROJECT: Construction of two new Squadron Operations Facilities for two F-15E Tactical Training Squadrons.

REQUIREMENT: Squadron Operations Facilities are required to provide for the planning, briefing, administration and critique of combat training crews performing advanced tactical air training in the two-seat F-15E aircraft. Adequate space is also required for the care, storage and issue of flying clothing and equipment for each student and instructor crew member. The facility also serves as the main control point for all unit flight and flying training tasks.

CURRENT SITUATION: There are four squadrons of F-15 Aircraft at Base 37. With the added training for F-15E conversion, two of the four squadrons convert to F-15E aircraft. End position will be four squadrons of F-15 aircraft. Presently, two of the squadron Operations are in Code III, WW II facilities (9,000 SF each). Existing Squadron Operations Facilities are inadequately sized for the present day requirements.

IMPACT IF NOT PROVIDED: Mission degradation of the two F-15E Squadrons will occur.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3. INSTALLATION AND LOCATION
BASE 37

4. PROJECT TITLE SQUADRON OPERATIONS FACILITIES	5. PROJECT NUMBER MUHJ873021

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JUL 08
	(b)	Percent Complete as of January 1986	60
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 JUN 11
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	164
	(b)	All Other Design Costs	107
	(c)	Total	271
	(d)	Contract	203
	(e)	In-house	68
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 37	4 PROJECT TITLE FIELD TRAINING DETACHMENT (FTD) FACILITY

5 PROGRAM ELEMENT 2.71.30	6 CATEGORY CODE 171-618	7 PROJECT NUMBER MUHJ873024	8 PROJECT COST ($000) 2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD TRAINING DETACHMENT (FTD) FACILITY	SF	28,000	67	1,876
SUPPORTING FACILITIES				665
UTILITIES	LS			(260)
SITE IMPROVEMENTS	LS			(150)
COMMUNICATIONS	LS			(145)
PAVEMENTS	LS			(110)
SUBTOTAL				2,541
CONTINGENCY (5%)				127
TOTAL CONTRACT COST				2,668
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				147
TOTAL REQUEST				2,815
TOTAL REQUEST (ROUNDED)				2,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and floor slab, masonry walls, steel roof trusses, and metal roof. Utilities and necessary support. Air Conditioning: 115 Tons.

11. REQUIREMENT: 42,600 SF ADEQUATE: 14,600 SF SUBSTANDARD: 18,288 SF

PROJECT: Construction of a Field Training Detachment (FTD) Facility.

REQUIREMENT: A permanent training facility is required to house the Field Training Detachment by providing classroom and training aids space for upgrade and familiarization training of maintenance specialists for the F-15/F-15E aircraft.

CURRENT SITUATION: Presently, F-15 FTD training is conducted in a building that is 10,000 SF undersized for the additional requirement of F-15E maintenance training. The unique maintenance training equipment associated with the F-15E beddown creates a need for six additional classrooms and one additional engine lab. Siting of the existing FTD facility does not permit expansion for the additional requirements. Construction of this project will release the present limited FTD facility for conversion to Flight Academics Facility, also included in this beddown package.

IMPACT IF NOT PROVIDED: Specialist training required to qualify/retain mechanics for F-15E aircraft maintenance will not be carried out, degrading an orderly and effective conversion to maintenance of the new mission aircraft.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 37		
4. PROJECT TITLE FIELD TRAINING DETACHMENT (FTD) FACILITY		5. PROJECT NUMBER MUHJ873024

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUL 08
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 11

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	163
(b) All Other Design Costs	90
(c) Total	253
(d) Contract	203
(e) In-house	50

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 37	4 PROJECT TITLE ALTER FACILITY FOR F-15 FLIGHT ACADEMICS FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8. PROJECT COST ($000)
2.71.30	171-211	MUHJ873022	1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER FACILITY FOR F-15 FLIGHT ACADEMICS FACILITY	SF	18,300	53	969
SUPPORTING FACILITIES				80
TEMPEST SHIELDING	LS			(40)
COMMUNICATIONS	LS			(30)
UTILITIES	LS			(10)
SUBTOTAL				1,049
CONTINGENCY (10%)				105
TOTAL CONTRACT COST				1,154
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				63
TOTAL REQUEST				1,217
TOTAL REQUEST (ROUNDED)				1,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Included are partition removal, relocation and construction, lowered ceilings, carpeting, door replacement, alteration of mechanical, electrical and lighting systems, TEMPEST. Utilities and other support. Air Conditioning: 6 Tons.

11. REQUIREMENT: 38,288 SF ADEQUATE: 0 SUBSTANDARD: 22,585 SF

PROJECT: Project alters existing FTD space to provide an adequate facility for F-15/F-15E Academics.

REQUIREMENT: An adequately sized and configured facility for academic instruction associated with approved training programs for students flying the F-15/F-15E aircraft. The beddown of the F-15E aircraft increases the number of classes to be taught and will require additional space for the Training Devices associated with this two-seat aircraft.

CURRENT SITUATION: Currently, F-15 Academics is conducted in a woodframe, World War II substandard facility that will not accommodate the proposed 6,000 SF increase in classrooms, instructors' offices and training offices resulting from bedding down the F-15E Dual Role Fighter aircraft at Base 37.

IMPACT IF NOT PROVIDED: Adequate facilities will not exist to support an increase in F-15 academics requirements and mission/operational training of air-crews will be degraded.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

BASE 37

4. PROJECT TITLE ALTER FACILITY FOR F-15 ACADEMICS FACILITY	5. PROJECT NUMBER MUHJ873022

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 08
	(b) Percent Complete as of January 1986	50
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 27
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	62
	(b) All Other Design Costs	62
	(c) Total	124
	(d) Contract	98
	(e) In-house	26
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 37		
4. PROJECT TITLE F-15E BEDDOWN, VARIOUS SUPPORT FACILITIES		5. PROJECT NUMBER

($000)

FUEL TANK STORAGE FACILITY SCOPE: 9,100 SY COST: 650
MUHJ873027 CATEGORY CODE: 852-273

REQUIREMENT: 23,900 SY ADEQUATE: 10,600 SY SUBSTANDARD: 0

Construct a 9,100 SY paved area with sun screen to provide space for the storage of 18 conformal fuel tanks (CFT) for the F-15E aircraft and 270 F-15 drop tanks. The present fuel tank yard will be dedicated to the F-16 Wing as their requirement for tank storage area increases to 320 drop tanks with activation of the third and fourth fighter training squadrons. As an integral part of the F-15E aircraft the CFTs are used to increase the range of this aircraft and require a sunshade to prevent damage to the CFT foam inside the tanks. The allowable internal temperatures for CFT storage in direct sunlight is 120 degrees F. The present fuel tank storage area is used for storage of both F-16 and F-15 drop tanks and is located on the F-16 side of the flightline. With the activation of two F-15E squadrons, this area will be only marginally acceptable and expansion would be difficult. Storage for 18 additional CFTs associated with the F-15E beddown requires a storage facility on the F-15 side of the flightline. Presently there is no facility to protect the CFTs from the heat build-up due to direct exposure to the sun.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 37		
4. PROJECT TITLE F-15E-FUEL TANK STORAGE FACILITY		5. PROJECT NUMBER MUHJ873027

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUL 08
(b)	Percent Complete as of January 1986	80
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAR 12

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	30
(b)	All Other Design Costs	53
(c)	Total	83
(d)	Contract	53
(e)	In-house	30

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION BASE 38, CLASSIFIED LOCATION	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE N/A
b. INVENTORY TOTAL AS OF 30 Sept 85
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 14,710
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	F-15 Beddown Various Support Facilities	LS	14,710	Apr 85	Mar 86

9. Future Projects: N/A

10. Mission or Major Functions: N/A

11. Oustanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1. COMPONENT		2. DATE
AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BASE 38	F-15 BEDDOWN VARIOUS SUPPORT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.71.30	100-000	MUHJ873039	14,710

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-15 BEDDOWN/VARIOUS SUPPORT FACILITIES	LS			14,710
ADDITION TO AIRCRAFT APRON	SY	117,000		(9,300)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	PN	288		(4,650)
ADD TO AND ALTER SQUADRON OPERATIONS	SF	11,200		(760)
TOTAL REQUEST				14,710

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NEW FACILITIES OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION, OVERHEAD (SIOH, 5.5%).

NOTE 2: THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE F-15E BEDDOWN AT BASE 38. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED DD FORMS 1391/1391C.

10. DESCRIPTION OF PROPOSED CONSTRUCTION New construction with reinforced concrete foundations and floor slabs, roof and wall systems, utilities, and necessary support. Alterations include all work required to support operational requirements and all necessary utilities upgrade and support.

11. REQUIREMENT: As required.

PROJECT: Construct addition to parking apron, construct an addition and alter an existing squadron operations and construct unaccompanied enlisted personnel housing.

REQUIREMENT: Provide adequate facilities for an additional F-15 squadron. Aircraft parking is required to accommodate transient, deployed and permanently assigned aircraft. Adequate apron area is needed to maintain the runway clear zone, to provide the minimum 355 foot exhaust distance required for safe F-15 operations and adequate clearance for all assigned aircraft. A squadron operations facility of adequate size is required for the planning, briefing, administration and critique of combat training crews. Enlisted dormitories are required to provide proper rest, relaxation and personal well-being.

CURRENT SITUATION: Existing apron will not accommodate the projected F-15 aircraft with the existing T-33's, Weapons Systems Evaluation Program (WSEP) and deployed aircraft. Without the additional apron space, the F-15's will be unable to be parked in a safe configuration. The squadron operations facility available for the new F-15 squadron is inadequate in size and configuration to accommodate a 24 aircraft training squadron. The only dormitory space for the additional unaccompanied personnel is substandard, 1940 vintage facilities with

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 38		
4. PROJECT TITLE F-15 BEDDOWN VARIOUS SUPPORT FACILITIES		5. PROJECT NUMBER MUHJ873039

central latrines, poor insulation, inadequately sized rooms and inadequate utility systems. These dormitories must be replaced to support the beddown of this additional squadron.

IMPACT IF NOT PROVIDED: The base will be unable to park assigned aircraft in a safe and efficient configuration. Operations and training will be hampered due to a completely inadequate operations facility. Personnel will be forced to live in completely inadequate dormitories.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 38	4 PROJECT TITLE ADDITION TO AIRCRAFT APRON

5 PROGRAM ELEMENT 2.71.30	6 CATEGORY CODE 113-321	7 PROJECT NUMBER MUHJ873040	8 PROJECT COST ($000) 9,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADDITION TO AIRCRAFT APRON	LS			5,967
APRON	SY	93,000	51	(4,743)
TAXIWAY	SY	24,000	51	(1,224)
SUPPORTING FACILITIES				2,385
UTILITIES	LS			(600)
SITE IMPROVEMENTS	LS			(1,120)
APRON LIGHTING	LS			(450)
CONCRETE DEMOLITION	LS			(215)
SUBTOTAL				8,352
CONTINGENCY (5%)				418
TOTAL CONTRACT COST				8,770
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				482
TOTAL REQUEST				9,252
TOTAL REQUEST (ROUNDED)				9,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a 93,000 SY portland cement concrete addition to the main aircraft parking apron and a 24,000 SY parallel taxiway. Work will include the demolition of a portion of an existing 6" thick taxiway. Construction includes storm drainage, aircraft tiedowns and ground points, taxiway lights and apron lighting.

11. REQUIREMENT: 451,564 SY ADEQUATE: 334,564 SY SUBSTANDARD: 7,167 SY

PROJECT: Construct addition to the parking apron.

REQUIREMENT: Aircraft parking is required to accommodate Base 38's transient, deployed and permanently assigned aircraft. Base 38 has two F-15 squadrons and one T-33 squadron. One additional F-15 squadron will be assigned in FY 88. Adequate apron area is needed to maintain the runway clear zone, to provide the minimum 355 ft exhaust distance required for safe F-15 operations and to provide the necessary nose to nose clearance for refueling parked F-15 aircraft. The expansion of Base 38's Weapons System Evaluation Program (WSEP) requires a parking area for up to 20 deployed aircraft used for this program. The 20 WSEP aircraft slots are included in the total requirement of 40 deployed aircraft spaces.

CURRENT SITUATION: Base 38 has transitioned to F-15s. Existing ramp space is not sufficient to accommodate the F-15s which are projected. Without the additional apron space, the F-15s will be unable to be parked in a safe and space saving configuration. Additionally, the extended apron will alleviate congestion on the existing apron and allow the F-15s to be located near the proper operational facilities. Base 38 is short the equivalent of a 24 PA F-15 parking apron. Slabs to be

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 38		
4. PROJECT TITLE ADDITION TO AIRCRAFT APRON		5. PROJECT NUMBER MUHJ873040

demolished are not of sufficient thickness to support the F-15 aircraft in a parking configuration.

IMPACT IF NOT PROVIDED: Base 38 will be unable to park assigned F-15 fighters in a safe and efficient configuration. Safety problems due to the aircraft headings and jet blast will exist. Also, inadequate space will exist for transient aircraft and the growing number of deployed aircraft.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 38		
4. PROJECT TITLE F-15-ADD TO AIRCRAFT APRON		5. PROJECT NUMBER MUHJ873040

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 APR 15
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	263
(b) All Other Design Costs	10
(c) Total	273
(d) Contract	145
(e) In-house	128

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION BASE 38	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 2.71.30	6. CATEGORY CODE 721-312	7. PROJECT NUMBER MUHJ873041	8. PROJECT COST ($000) 4,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (288 PN)	SF	43,200	59	2,548
SUPPORTING FACILITIES				1,635
UTILITIES	LS			(580)
PAVEMENTS	LS			(495)
SITE IMPROVEMENTS	LS			(345)
COMMUNICATIONS	LS			(215)
SUBTOTAL				4,183
CONTINGENCY (5%)				209
TOTAL CONTRACT COST				4,392
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				242
TOTAL REQUEST				4,634
TOTAL REQUEST (ROUNDED)				4,650

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete floor on concrete footings, brick and concrete masonry walls. Includes fire protection system, utilities and necessary support. Air Conditioning: 17 Tons. Grade Mix: 288 PN E-1 to E-4.

11. REQUIREMENT: 1,714 PN ADEQUATE: 1,216 PN SUBSTANDARD: 168 PN

PROJECT: Construct unaccompanied enlisted personnel housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low re-enlistment rates. Base 38 will receive an additional F-15 squadron (24 PAA) by FY 88. The additional personnel assigned will require housing.

CURRENT SITUATION: Presently, many of the enlisted personnel are occupying quarters which are inadequate by today's living standards. They were constructed in the 1940's. Gang latrines, poor insulation, inadequate lighting, lack of privacy and inefficient space to properly house the assigned personnel are some of the inadequacies of these facilities. Upon completion of this project, six WWII substandard facilities will be disposed of (41,616 SF).

IMPACT IF NOT PROVIDED: Substandard quarters for unaccompanied enlisted personnel will continue to be a major morale problem and a contributing

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 38		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER MUHJ873041

factor to low re-enlistment. Personnel assigned to the new F-15 squadron will be required to live in WWII facilities.

ADDITIONAL INFORMATION: Enlisted population will increase by 527 PN due to the additional squadron. Approximately 220 of these people will require dormitory space.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 38		
4. PROJECT TITLE F-15-UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER MUHJ873041

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 APR 15
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAR 19

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	309
(b)	All Other Design Costs	20
(c)	Total	329
(d)	Contract	231
(e)	In-house	98

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 38		
4. PROJECT TITLE F-15 BEDDOWN VARIOUS SUPPORT FACILITIES		5. PROJECT NUMBER MUHJ873039

($000)

ADD TO AND ALTER SQUADRON
OPERATIONS FACILITY — SCOPE: 11,200 SF — COST: 760
MUHJ873042 — CATEGORY CODE: 141-753

REQUIREMENT: 55,700 SF ADEQUATE: 44,500 SF SUBSTANDARD: 8,300 SF

Construct a 2,800 SF addition and alter an existing squadron operations facility to house squadron operations and flying equipment. This base currently has two F-15, and one T-33 squadrons. All are adequately housed in existing squadron facilities. The third F-15 squadron is projected in FY 88. There is a building available for use but inadequate in size to accommodate a 24 aircraft tactical squadron. The building does not contain briefing and critique rooms, training rooms, and administrative areas of adequate size. Adequate space must be provided to accommodate assigned personnel and students of the proposed F-15 training squadron. The Tactical Air Command requires this squadron to train pilots to meet the Tactical Air Forces mission requirements. This facility is needed to provide adequate space which is properly configured to manage flying operations of an F-15 squadron.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 38		
4. PROJECT TITLE ADD TO AND ALTER SQUADRON OPERATIONS FACILITY		5. PROJECT NUMBER MUHJ873042

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 15
	(b) Percent Complete as of January 1986	60
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 19
(2)	Basis	
	(a) Standard or Definitive Design -	Yes No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	99
	(b) All Other Design Costs	14
	(c) Total	113
	(d) Contract	74
	(e) In-house	39
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION BASE 39, CLASSIFIED LOCATION	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE N/A	
b. INVENTORY TOTAL AS OF 30 Sept 85	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-212	Add to and Alter F-15E Flight Simulator	12,200 SF	2,300	Jul 85	Sep 86

9. Future Projects: N/A

10. Mission or Major Functions: N/A

11. Oustanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION BASE 39	4. PROJECT TITLE F-15E FLIGHT SIMULATOR

5. PROGRAM ELEMENT 2.71.30	6. CATEGORY CODE 171-212	7. PROJECT NUMBER MUHJ873050	8. PROJECT COST ($000) 2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-15E FLIGHT SIMULATOR	SF	12,200	160	1,952
SUPPORTING FACILITIES				150
UTILITIES	LS			(120)
SITE IMPROVEMENTS	LS			(10)
COMMUNICATIONS SUPPORT	LS			(20)
SUBTOTAL				2,102
CONTINGENCY (5%)				105
TOTAL CONTRACT COST				2,207
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				121
TOTAL REQUEST				2,328
TOTAL REQUEST (ROUNDED)				2,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct flight simulator facility with a 32 foot high, bay. Work includes electrical and mechanical systems, TEMPEST shielding, utilities and other support.
Air conditioning - 15 tons

11. REQUIREMENT 12,200 SF ADEQUATE: 0 SF SUBSTANDARD: 12,400 SF

PROJECT: Construct flight simulator facility.

REQUIREMENT: Properly sized and configured facility is required to house a new F-15E Weapons Systems Trainer (WST) in support of F-15E flight training operations. Equipment is scheduled for delivery in FY 1989 and requires a new facility prior to equipment delivery. This partial field of vision WST permits training of aircrews in all phases of flight, from take-off to landing, and improves aircrew proficiency at reduced cost. This new F-15E WST requires a facility with large open bay (50' x 50') and ceiling 32' high with three levels of mezzanines surrounding the open bay.

CURRENT SITUATION: No existing facility can satisfy the requirements of this equipment.

IMPACT IF NOT PROVIDED: Without this project, the vitally required simulator equipment cannot be placed into operation and operational capability for this new weapon system will suffer.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 39		
4. PROJECT TITLE F-15E FLIGHT SIMULATOR		5. PROJECT NUMBER MUHJ873050

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUL 09
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	129
(b)	All Other Design Costs	0
(c)	Total	129
(d)	Contract	0
(e)	In-house	129

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION BERGSTROM AIR FORCE BASE, TEXAS	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 0.94

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	762	3,983	931	192	249	0	3	41	2	6,163
b. END FY 1991	766	3,999	1,457	183	249	0	3	41	2	6,700

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,001)	
b. INVENTORY TOTAL AS OF 30 Sept 85	130,781
c. AUTHORIZATION NOT YET IN INVENTORY	770
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,090
f. PLANNED IN NEXT THREE PROGRAM YEARS	22,820
g. REMAINING DEFICIENCY	10,026
h. GRAND TOTAL	174,737

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-451	Add to and Alter Tactical Intelligence Squadron	LS	1,260	Feb 85	Mar 86
141-454	Tactical Air Control Center	33,900 SF	3,390	Feb 85	Apr 86
211-193	Sound Suppressor Support	1 EA	600	Feb 85	May 86
	Total		5,250		

9. Future Projects: (a) Included in Following Program (FY 88):

141-454	Composite Operations Facility	34,200 SF	4,156
610-285	Regional Conference	6,900 SF	940

(b) Typical planned next three years:

116-672	Aircraft Washrack	1,500 SY	1,500
141-753	Squadron Operations Facility	24,000 SF	2,400
121-111	Addition to Petroleum Operations Facility	2,250 SF	700

10. Mission or Major Functions: This base hosts a numbered Air Force headquarters, an AFRES numbered Air Force headquarters, a tactical reconnaissance wing with four RF-4C squadrons, an AFRES Tactical Fighter Group with an F-4 squadron and a MAC CT-39 detachment.

11. Oustanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BERGSTROM AIR FORCE BASE, TEXAS	4 PROJECT TITLE ADD TO AND ALTER TACTICAL INTELLIGENCE SQUADRON FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 141-451	7 PROJECT NUMBER BJHZ873020	8 PROJECT COST ($000) 1,260

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER TACTICAL INTELLIGENCE SQUADRON FACILITY	LS			963
ADDITION	SF	10,500	72	(756)
ALTERATION	SF	7,400	28	(207)
SUPPORTING FACILITIES				170
UTILITIES	LS			(85)
PAVEMENTS	LS			(25)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS	LS			(45)
SUBTOTAL				1,133
CONTINGENCY (5%)				57
TOTAL CONTRACT COST				1,190
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				66
TOTAL REQUEST				1,256
TOTAL REQUEST (ROUNDED)				1,260

10 DESCRIPTION OF PROPOSED CONSTRUCTION Addition includes reinforced concrete foundation and slab, masonry walls, structural steel framing and sloped metal roof deck with noncombustible surface. Alteration includes all structural, electrical and mechanical work necessary for an adequate work environment. Includes utilities and necessary support.

Air conditioning: 115 Tons.

11. REQUIREMENT: 17,900 SF ADEQUATE: 0 SUBSTANDARD: 26,550 SF

PROJECT: Add to and alter the 12th Tactical Intelligence Squadron (12 TIS) operations facility.

REQUIREMENT: Provide sufficient space with adequate configuration, environmental controls and security protection necessary for the 12 TIS to accommodate personnel and equipment required to perform its mission. As the intelligence element of the tactical air control center and the air support operation center, the 12 TIS provides intelligence production support and develops mobility procedures to ensure rapid reaction to contingency or emergency war plans commitments.

CURRENT SITUATION: The 12 TIS is severely restricted in mission accomplishment by its limited facility space, lack of adequate secure storage and forced decentralization to temporary, inadequate facilities. Serious operational problems are created by overcrowding people, equipment and a large volume of classified material into less than 60 percent of the required space. Throughout the squadron's facilities, equipment such as mobility boxes and packing cases is stored in work areas because of a lack of storage space elsewhere. The completion of this project will permit the disposal of six portable buildings. The data automation, mobility and AGE offices of the squadron are presently

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BERGSTROM AIR FORCE BASE, TEXAS		
4. PROJECT TITLE ADD TO AND ALTER TACTICAL INTELLIGENCE SQUADRON FACILITY		5. PROJECT NUMBER BJHZ873020

housed in portable buildings.
IMPACT IF NOT PROVIDED: Overcrowded conditions will worsen. The operational capability of the squadron in-garrison will be degraded. The squadron will be unable to use a new tactical ELINT processor projected to arrive in 1987 and will be unable to store sensitive compartmented intelligence information. Normal day-to-day operations will continue to be impaired.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BERGSTROM AIR FORCE BASE, TEXAS		
4. PROJECT TITLE ADD TO AND ALTER TACTICAL INTELLIGENCE SQUADRON FACILITY		5. PROJECT NUMBER BJHZ873020

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 FEB 15
	(b) Percent Complete as of January 1986	95
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAR 10
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	109
	(b) All Other Design Costs	0
	(c) Total	109
	(d) Contract	0
	(e) In-house	109
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BERGSTROM AIR FORCE BASE, TEXAS	4 PROJECT TITLE TACTICAL AIR CONTROL CENTER FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 141-454	7 PROJECT NUMBER BJHZ873019	8 PROJECT COST ($000) 3,390

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL AIR CONTROL CENTER FACILITY	SF	33,900	71	2,407
SUPPORTING FACILITIES				650
COMMUNICATIONS SUPPORT	LS			(200)
UTILITIES	LS			(200)
PAVEMENTS	LS			(190)
SITE IMPROVEMENTS	LS			(65)
SUBTOTAL				3,057
CONTINGENCY (5%)				153
TOTAL CONTRACT COST				3,210
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				177
TOTAL REQUEST				3,387
TOTAL REQUEST (ROUNDED)				3,390

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, structural steel framing and sloped metal roof deck with noncombustible surface. Includes utilities and necessary support. Air conditioning - 115 tons.

11. REQUIREMENT: 33,900 SF ADEQUATE: 0 SUBSTANDARD: 18,158 SF

PROJECT: Construct a Tactical Air Control Center (TACC) squadron facility.

REQUIREMENT: Provide necessary space for the 602 TACC to insure adequate training of personnel, operation, maintenance of equipment and management of mobility readiness activities. The 602 TACC is responsible for training and deploying a tactical air control unit in support of a wide variety of tasking and missions dictated by current contingency in-garrison plans.

CURRENT SITUATION: The 602 TACC has become tasked with wartime readiness operations such as teletype/crypto force management systems and future requirements for satellite communications and battlefield coordination element. To properly support these systems, additional administrative and maintenance space is needed. The lack of storage and training space and severe overcrowding of administrative areas causes severe management problems. Currently, training and repair requirements are not being met which reduces wartime readiness of the squadron. Portable buildings are being used as training rooms, work centers, repair shops, warehouse space, storage of flammable materials, high value equipment and mobility storage space. Existing operations and maintenance functions are scattered throughout a large area of the base, severely reducing

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BERGSTROM AIR FORCE BASE, TEXAS		
4. PROJECT TITLE TACTICAL AIR CONTROL CENTER FACILITY		5. PROJECT NUMBER BJHZ873019

coordination between offices. Separated functions also result in excessive delays in communications and movement of equipment. This project will permit the disposal of twelve portable buildings, a pre-engineered building and a wooden structure.

IMPACT IF NOT PROVIDED: Unit wartime readiness will be degraded because ineffective training and equipment maintenance is conducted in small, overcrowded, scattered facilities.

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

BERGSTROM AIR FORCE BASE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
TACTICAL AIR CONTROL CENTER FACILITY	BJHZ873019

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 FEB 28
(b) Percent Complete as of January 1986		95
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 APR 21
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		296
(b) All Other Design Costs		0
(c) Total		296
(d) Contract		0
(e) In-house		296
(4) Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 1.05

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	724	4,482	1,256	84	255	0	85	257	17	7,160
b. END FY 19 91	744	4,328	1,268	88	381	0	89	383	17	7,298

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (10,765)	
b. INVENTORY TOTAL AS OF 30 Sept 85	160,554
c. AUTHORIZATION NOT YET IN INVENTORY	7,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,830
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	18,450
f. PLANNED IN NEXT THREE PROGRAM YEARS	44,207
g. REMAINING DEFICIENCY	13,700
h. GRAND TOTAL	260,541

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113-321	Aircraft Processing Apron (MASDC)	45,000 SY	3,400	Nov 84	Apr 86
149-962	Control Tower	1 EA	2,400	Feb 85	Feb 86
441-257	GLCM Consolidated Storage	LS	1,900	Feb 85	Mar 86
610-127	Base Civil Engineer Administrative Facility	24,000 SF	2,600	May 84	Feb 86
721-312	Unaccompanied Enlisted Personnel Housing	312 PN	5,300	Jan 85	Jul 86
800-000	Energy Conservation Investment Program	LS	230	Jan 84	Jun 86
	Total		15,830		

9. Future Projects: Included in Following Program (FY 88):

211-152	Aircraft Shop	84,000 SF	6,800
211-175	Aircraft Maintenance Dock	18,600 SF	2,000
610-142	Traffic Management Facility	LS	3,500
610-243	Base Contracting Facility	8,400 SF	790
800-000	Energy Conservation Investment	LS	2,160
911-146	Land Acquisition	232 AC	3,200
	Total		18,450

10. Mission or Major Functions: This base hosts an Air Division, a tactical training wing of A-10 aircraft, a tactical air support squadron of OA-37 aircraft, a fighter interceptor detachment, a deactivated strategic missile wing of Titan II strategic missiles, the Military Airlift Storage and Disposition Center, an electronic combat squadron with EC-130 aircraft and Ground Launched Cruise Missile test and training.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	4 PROJECT TITLE AIRCRAFT PROCESSING APRON (MASDC)

5 PROGRAM ELEMENT 7.11.11	6 CATEGORY CODE 113-321	7 PROJECT NUMBER FBNV853012	8 PROJECT COST ($000) 3,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT PROCESSING APRON (MASDC)	SY	45,000	57	2,565
SUPPORTING FACILITIES				520
UTILITIES	LS			(90)
PAVEMENTS	LS			(95)
SITE IMPROVEMENTS	LS			(335)
SUBTOTAL				3,085
CONTINGENCY (5%)				154
TOTAL CONTRACT COST				3,239
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				178
TOTAL REQUEST				3,417
TOTAL REQUEST (ROUNDED)				3,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of a 12-inch Portland cement concrete apron on compacted subgrade. Remove and store existing AM-2 matting. Area includes staging, processing and holding areas.

11. REQUIREMENT: 53,000 SY ADEQUATE: 8,000 SY SUBSTANDARD: 181,500 SY

PROJECT: Construct a concrete apron for processing aircraft into and out of storage at the Military Aircraft Storage and Disposition Center (MASDC).

REQUIREMENT: A concrete aircraft parking apron is needed for in-processing of aircraft assigned to MASDC, out-processing of aircraft being returned to active service, and preservation of aircraft in storage for possible reuse. The processing apron will provide the flexibility and means to process aircraft into a production flow line, thereby maintaining control of all work processes. At any given time, MASDC has an average of over 60 aircraft of different types being processed. In addition to this routine processing, MASDC will provide wartime logistics support by maintaining 136 O-2, F-106, and F-4C/D aircraft on the apron in flyable storage.

CURRENT SITUATION: The AM-2 matting that is used at MASDC as a working ramp is being undermined by rain and requires major repair one or two times per year. It is now unsafe for taxiing any aircraft. Fuel and oil spills from aircraft taken out of storage seep under the matting. Fuel and oil spills penetrating into the ground will eventually reach the water table of the wells situated within the boundaries of Davis-Monthan Air Force Base, resulting in possible loss of the wells and other environmental violations. The surface of the AM-2 matting is

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE AIRCRAFT PROCESSING APRON (MASDC)		5. PROJECT NUMBER FBNV853012

extremely hot in the summer and when wet, is a slippery safety hazard to the 150 mechanics and specialists working on the ramp.

IMPACT IF NOT PROVIDED: High maintenance costs for AM-2 matting will continue. The MASDC flightline technicians will be forced to work under the marginal operating conditions presented by the AM-2 matting and potential for environmental violations will continue to exist.

ADDITIONAL: This project was approved by the Joint Depot Maintenance Analysis Group in November 1984.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE AIRCRAFT PROCESSING APRON (MASDC)		5. PROJECT NUMBER FBNV853012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	84 NOV 16
	(b)	Percent Complete as of January 1986	90
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 APR 01
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	160
	(b)	All Other Design Costs	21
	(c)	Total	181
	(d)	Contract	0
	(e)	In-house	181
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	4. PROJECT TITLE CONTROL TOWER

5 PROGRAM ELEMENT 3.51.14	6 CATEGORY CODE 149-962	7. PROJECT NUMBER PBNV893014	8. PROJECT COST ($000) 2,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONTROL TOWER	EA	1	940	940
SUPPORTING FACILITIES				1,225
PAVEMENTS	LS			(490)
SITE IMPROVEMENTS	LS			(40)
WATER AND SEWER	LS			(295)
ELECTRICAL UTILITIES	LS		-	(400)
SUBTOTAL				2,165
CONTINGENCY (5%)				108
TOTAL CONTRACT COST				2,273
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				125
TOTAL REQUEST				2,398
TOTAL REQUEST (ROUNDED)				2,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, floor slabs and walls, control cab with double pane glass and elevator, generator and mechanical equipment room, toilet, access road to remote tower site, utilities and support. Air Conditioning - 20 Tons.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a control tower.

REQUIREMENT: An aircraft control tower properly sited of correct height and configuration is required to provide air traffic controllers a clear view of the runway and ground traffic patterns. To satisfy the clear view requirement at this field, the tower must be 81 feet high to the base of the cab.

CURRENT SITUATION: The present tower orientation is such that all of the traffic patterns are flown behind the control tower making it extremely difficult to maintain positive surveillance of the aircraft. It is not possible to alter the air traffic pattern because of the nearby Tuscon International Airport. The aircraft ramp parking areas, including the north ramp used for live ordinance, are visually obstructed from the control tower. The control cab is small and does not provide adequate space for the number of personnel required. The Chief Air Traffic Control Officer and his staff, which should be in the tower, are located 1/4 mile from the site of the tower.

IMPACT IF NOT PROVIDED: Failure to replace this control tower increases the potential for flying safety hazards and could result in an aircraft mishap. Operations will continue with the air traffic controllers handicapped by the existing tower layout and orientation.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE CONTROL TOWER		5. PROJECT NUMBER FBNV893014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 FEB 18
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	131
	(b) All Other Design Costs	160
	(c) Total	291
	(d) Contract	189
	(e) In-house	102
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	4. PROJECT TITLE GLCM CONSOLIDATED STORAGE

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.73.14	441-257	FBNV873011	1,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM CONSOLIDATED STORAGE	LS			1,140
ADMINISTRATIVE	SF	7,000	74	(518)
ARMORY	SF	1,500	146	(219)
STORAGE	SF	8,400	48	(403)
SUPPORTING FACILITIES				585
UTILITIES	LS			(145)
PAVEMENTS	LS			(65)
SITE IMPROVEMENTS	LS			(290)
COMMUNICATIONS	LS			(85)
SUBTOTAL				1,725
CONTINGENCY (5%)				86
TOTAL CONTRACT COST				1,811
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				100
TOTAL REQUEST				1,911
TOTAL REQUEST (ROUNDED)				1,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete slab on grade, steel framing, concrete masonry walls, built-up roof on metal decking. Also includes HVAC, fire protection, EMCS connections, pavements, utilities and necessary support. Air Conditioning: 4 Tons, Office and Cool Room only

11. REQUIREMENT: 16,900 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construction of a consolidated GLCM storage facility.

REQUIREMENT: A suitable storage facility is needed to accommodate individual equipment, weapons, munitions, rations and medical supplies in support of the Ground Launched Cruise Missile (GLCM) training.

CURRENT SITUATION: The 868 Tactical Missile Training Squadron (TMTS) provides technical operational training to all GLCM specialists prior to their tour in an overseas operational location. Presently, classrooms are being used for double shifts. Equipment is stored in classrooms, work area offices, halls, and a quonset hut several miles from the training area. Weapons are issued and cleaned in parking lots and existing maintenance areas.

IMPACT IF NOT PROVIDED: Training will be severely handicapped by the unsatisfactory logistical accommodations for trainee personal equipment, weapons, and munitions, which will be detrimental to the mission of all GLCM specialties.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA

4. PROJECT TITLE GLCM CONSOLIDATED STORAGE	5. PROJECT NUMBER FBNV873011

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 FEB 25
	(b) Percent Complete as of January 1986	90
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAR 06
(2)	Basis	
	(a) Standard or Definitive Design -	Yes No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	87
	(b) All Other Design Costs	7
	(c) Total	94
	(d) Contract	0
	(e) In-house	94
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	4. PROJECT TITLE BASE CIVIL ENGINEERING ADMINISTRATIVE FACILITY

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 610-127	7. PROJECT NUMBER FBNV863005	8. PROJECT COST ($000) 2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE CIVIL ENGINEERING ADMINISTRATIVE FACILITY	SF	24,000	75	1,800
SUPPORTING FACILITIES				550
SITE IMPROVEMENTS	LS			(80)
UTILITIES	LS			(245)
DEMOLITION	LS			(145)
PAVEMENTS	LS			(80)
SUBTOTAL				2,350
CONTINGENCY (5%)				118
TOTAL CONTRACT COST				2,468
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				136
TOTAL REQUEST				2,604
TOTAL REQUEST (ROUNDED)				2,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural steel frame, masonry walls and built-up roof. Area includes administrative space, latrines, elevator, mechanical equipment room, utilities and all necessary support. Air Conditioning: 85 Tons.

11. REQUIREMENT: 24,000 SF ADEQUATE: 0 SUBSTANDARD: 24,300 SF

PROJECT: Construct a base civil engineer (BCE) administrative facility.

REQUIREMENT: A centrally located, adequately sized, and functionally configured base engineer administrative facility is required to accommodate management and control functions in support of maintenance and utilities services for all base facilities.

CURRENT SITUATION: The base civil engineering administrative functions are split between two facilities in the civil engineering complex. The squadron command, operations and administrative functions are located in a collection of ten WW II wooden buildings that have been joined together. The engineering and construction branch functions are located in four buildings joined together, two WW II wooden portions and two pre-engineered metal additions. The facilities are energy inefficient, not functional and expensive to maintain. The separation of functions causes inefficiencies in work production, planning, coordination and engineering design efforts. The existing WW II facilities will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: The civil engineering administrative functions will continue to operate and maintain high resource consuming facilities.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE BCE ADMINISTRATIVE FACILITY		5. PROJECT NUMBER FBNV863005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 MAY 15
(b)	Percent Complete as of January 1986	90
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 FEB 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	256
(b)	All Other Design Costs	0
(c)	Total	256
(d)	Contract	187
(e)	In-house	69

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER FBNV873002	8 PROJECT COST ($000) 5,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (312 PN)	SF	59,500	63	3,749
SUPPORTING FACILITIES				1,030
LANDSCAPING				(125)
IRRIGATION	LS			(75)
PAVEMENTS	LS			(250)
COMMUNICATIONS	LS			(175)
UTILITIES	LS			(150)
DEMOLITION	LS			(75)
SUBTOTAL				4,779
CONTINGENCY (5%)				239
TOTAL CONTRACT COST				5,018
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				276
TOTLAL REQUEST				5,294
TOTAL REQUEST (ROUNDED)				5,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct two new facilities complete with structural, mechanical and electrical systems, including installation of exterior entrances, balconies and semi-private baths. Air Conditioning: 75 tons. Grade Mix: 312 E1-E4.

11. REQUIREMENT: 2,220 PN ADEQUATE: 1,088 PN SUBSTANDARD: 1,132 PN

PROJECT: Construct two unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates. The Air Force should remove this irritant to maintain a force of experienced airmen.

CURRENT SITUATION: The facilities to be replaced were constructed 30 years ago. They completely lack privacy, have inadequate lighting, poor insulation and sound attenuation, and obsolete electrical and mechanical systems. The existing facilities cannot be economically upgraded to current standards.

IMPACT IF NOT PROVIDED: Substandard living accommodations will continue to be a factor in low morale, reduced productivity, low retention and dissatisfaction with Air Force life for unaccompanied enlisted personnel.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER FBNV873002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JAN 15
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 15
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	LUKE AFB
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	246
	(b) All Other Design Costs	124
	(c) Total	370
	(d) Contract	286
	(e) In-house	84
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION ENGLAND AIR FORCE BASE, LOUISIANA	4 COMMAND TACTICAL AIR COMMAND	5 [illegible] 0.95

6 PERSONNEL STRENGTH	[illegible]			[illegible]			[illegible]			[illegible]
a. AS OF 30 Sept 85	303	2,786	428	0	0	0	2	0	15	3,534
b. END FY 19 91	323	2,818	434	0	0	0	2	0	15	3,592

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (2,651)	
b INVENTORY TOTAL AS OF 30 Sept 85	77,271
c AUTHORIZATION NOT YET IN INVENTORY	6,100
d AUTHORIZATION REQUESTED IN THIS PROGRAM	2,300
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,200
f PLANNED IN NEXT THREE PROGRAM YEARS	9,100
g REMAINING DEFICIENCY	0
h GRAND TOTAL	99,971

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	[illegible]	[illegible]	COST ($000)	DESIGN STATUS START	[illegible]
610-127	Base Civil Engineering Administrative Facility	23,000 SF	2,300	Jun 82	Aug 85

9. Future Projects: (a) Included in Following Program (FY 88):

211-159	Add to and Alter Corrosion Control Facility	14,900 SF	2,000
721-312	Alter Unaccompanied Enlisted Personnel Housing	284 PN	3,200
	Total		5,200

(b) Typical Planned Next Three Years:

141-782	Air Freight Terminal	20,000 SF	1,000
740-235	Chapel Support Facility	3,450 SF	500
851-147	Perimeter Road	28,133 SY	1,100

10. Mission or Major Functions: This base hosts a tactical fighter wing of A-10 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	4,000

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION ENGLAND AIR FORCE BASE, LOUISIANA	4. PROJECT TITLE BASE CIVIL ENGINEERING ADMINISTRATIVE FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.75.96	610-127	GAMH843002	2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE CIVIL ENGINEERING ADMINISTRATIVE FACILITY	SF	23,000	65	1,495
SUPPORTING FACILITIES				600
UTILITIES	LS			(300)
SITE IMPROVEMENTS	LS			(100)
PAVEMENTS	LS			(100)
RELOCATION/DEMOLITION	LS			(100)
SUBTOTAL				2,095
CONTINGENCY (5%)				105
TOTAL CONTRACT COST				2,200
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				121
TOTAL REQUEST				2,321
TOTAL REQUEST (ROUNDED)				2,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Two story facility with reinforced concrete foundation and floor slab, masonry walls, built-up surface on metal frame roof, all utilities and necessary support. Area includes administrative offices, conference room, vault storage and ADPE space. Air Conditioning: 70 Tons.

11. REQUIREMENT: 23,000 SF ADEQUATE: 0 SUBSTANDARD: 14,900 SF

PROJECT: Construct a base civil engineer (BCE) administrative facility.

REQUIREMENT: A centrally located, adequately sized, and functionally configured base engineer administrative facility is required to accommodate management and control functions in support of maintenance and utilities services for all base facilities.

CURRENT SITUATION: The administrative offices of the base civil engineer are split between two buildings. One of these is an old WW II wooden warehouse which was converted to office space. This facility is energy inefficient, not functional and expensive to maintain. The two BCE administrative facilities are about one mile from the civil engineering shops. The inability to consolidate work control, planning, and associated administrative functions with or near the maintenance shops makes supervision difficult and increases the effort required to develop work schedules and plans. The wooden WW II facility will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: The civil engineering administrative functions will continue to operate and maintain high resource consuming facilities.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ENGLAND AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE BCE ADMIN FACILITY		5. PROJECT NUMBER GAMH843002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	82 JUN 22
	(b)	Percent Complete as of January 1986	100
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	85 AUG 14
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	170
	(b)	All Other Design Costs	0
	(c)	Total	170
	(d)	Contract	144
	(e)	In-house	26
(4)	Construction start		86 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 1.31

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	706	4,774	462	67	37	3	0	0	0	6,049
b. END FY 19 91	713	4,848	492	67	37	3	0	0	0	6,160

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,348)	
b. INVENTORY TOTAL AS OF 30 Sept 85	145,470
c. AUTHORIZATION NOT YET IN INVENTORY	11,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,550
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	28,688
f. PLANNED IN NEXT THREE PROGRAM YEARS	39,422
g. REMAINING DEFICIENCY	21,121
h. GRAND TOTAL	261,151

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214-425	Addition and Alteration to Vehicle Maintenance Shop	LS	1,900	Jun 84	Jul 86
610-249	Resource Management Facility	61,500 SF	7,650	Jul 84	Jun 86
724-400	Visiting Personnel Quarters	130 PN	5,000	Jun 84	Jun 86
	Total		14,550		

9. Future Projects: (a) Included in Following Program (FY 88):

111-111	Upgrade Runway Lighting	LS	14,888
219-940	Base Civil Engineer Complex	114,300 SF	7,400
842-245	Addition to and Alter Base Water Supply	LS	6,400
	Total		28,688

(b) Typical planned next three years:

130-835	Security Police Operation	16,200 SF	2,070
123-335	Vehicle Fueling Station	LS	1,500

10. Mission or Major Functions: This base hosts an air Division and tactical training wing of F-4 aircraft, a wing of F-4G (wild weasel) tactical fighter aircraft and a tactical air support squadron of OV-10 aircraft

11. Oustanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE SHOP

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 214-425	7 PROJECT NUMBER HUUA863036	8 PROJECT COST ($000) 1,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	LS			1,467
ADDITION	SF	11,900	100	(1,190)
ALTERATION	SF	19,800	14	(277)
SUPPORTING FACILITIES				235
UTILITIES	LS			(135)
PAVEMENTS	LS			(25)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS	LS			(60)
SUBTOTAL				1,702
CONTINGENCY (5%)				85
TOTAL CONTRACT COST				1,787
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				98
TOTAL REQUEST				1,885
TOTAL REQUEST (ROUNDED)				1,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Addition to the Vehicle Maintenance Shop - Masonry walls with concrete foundation floor slab, structural frame, and built-up roof. Alteration is work required to connect addition to existing facility. Includes utilities and necessary support. Air Conditioning: 4 Tons.

11. REQUIREMENT: 51,500 SF Adequate: 19,800 SF SUBSTANDARD: 3,000 SF

PROJECT: Construction of an addition to and alteration of the existing vehicle maintenance shop.

REQUIREMENT: A vehicle auto body shop to repair vehicles assigned to the base. Work space is needed for body work, sandblasting, painting, upholstery repair and glass replacement.

CURRENT SITUATION: The existing vehicle maintenance shop provides appproximately 70% of the authorized and required space. Equipment for testing vehicle road worthiness cannot be installed due to lack of space. Two maintenance stalls, specially designed to meet safety and environmental requirements for radiator and body repairs, are used for secure/controlled storage for high value, pilferable parts and equipment, due to lack of adequate storage space. Completion of this project will allow for consolidation of all vehicle maintenance functions and the demolition of one substandard facility.

IMPACT IF NOT PROVIDED: Vehicle maintenance and repair will continue to be performed in an inadequately sized facility. Required road condition testing of vehicles will not be performed, the radiator repair and body repairs will continue to be performed in open bays creating environmental and safety hazards. Customer support will continue to be inadequate due to scattered functions.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE SHOP		5. PROJECT NUMBER HUUA863036

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JUN 27
(b)	Percent Complete as of January 1986	70
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	97
(b)	All Other Design Costs	60
(c)	Total	157
(d)	Contract	114
(e)	In-house	43

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE RESOURCE MANAGEMENT FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-249	7 PROJECT NUMBER HUUA863010	8 PROJECT COST ($000) 7,650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RESOURCE MANAGEMENT FACILITY	SF	61,500	86	5,289
SUPPORTING FACILITIES				1,630
UTILITIES	LS			(760)
PAVEMENTS	LS			(320)
SEISMIC	LS			(275)
SITE IMPROVEMENTS	LS			(175)
RELOCATION/DEMOLITION (BUILDING)	LS			(70)
SUBTOTAL				6,904
CONTINGENCY (5%)				345
TOTAL CONTRACT COST				7,249
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				399
TOTAL REQUEST				7,648
TOTAL REQUEST (ROUNDED)				7,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Two story office complex with concrete floors, masonry walls, and built-up roof over concrete deck. Area includes offices, latrines, mechanical rooms, storage rooms, hallways, vault, computer rooms, conference rooms, customer service lobby. Utilities and other support. Air Conditioning: 175 Tons.

11. REQUIREMENT: 61,500 SF ADEQUATE: 0 SUBSTANDARD: 47,300 SF

PROJECT: Construct a resource management facility.

REQUIREMENT: Provide a central facility for resource management functions that support the entire base in the areas of financial management, machine accounting, contracting, transportation and logistics, to provide a manageable operation, improve customer support and improve efficiency.

CURRENT SITUATION: The resources administrative and mangement functions on this installation are in eight widely dispersed buildings, including six WWII wood frame structures. These facilities are generally inadequate in size and configuration and their age and condition make them uneconomical to upgrade, operate and maintain. They are structurally unsound, energy inefficient and lack adequate electrical, mechanical and fire protection systems. The construction of a single facility to house all of the resource management functions will greatly reduce the time required to obtain necessary services and support. This construction will permit the base to vacate and dispose of six WWII buildings and will allow supply administrative offices to move from a warehouse and free 15,000 SF required for additional storage.

IMPACT IF NOT PROVIDED: Base resource management functions will continue to operate from and maintain high resource consuming facilities.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE RESOURCE MANAGEMENT FAC		5. PROJECT NUMBER HUUA863010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 JUL 13
	(b) Percent Complete as of January 1986	65
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	423
	(b) All Other Design Costs	36
	(c) Total	459
	(d) Contract	383
	(e) In-house	76
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE VISITING PERSONNEL QUARTERS

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 724-400	7. PROJECT NUMBER HUUA863025	8. PROJECT COST ($000) 5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VISITING PERSONNEL QUARTERS (130)	LS			3,397
VISITING OFFICER QUARTERS	SF	27,100	77	(2,086)
TRANSIENT LODGING SUPPORT BUILDING	SF	4,400	51	(224)
VISITING AIRMEN QUARTERS DORMITORY	SF	15,000	72	(1,087)
SUPPORTING FACILITIES				1,120
SITE IMPROVEMENTS	LS			(240)
COMMUNICATIONS	LS			(175)
UTILITIES	LS			(290)
PAVEMENTS	LS			(280)
DEMOLITION	LS			(135)
SUBTOTAL				4,517
CONTINGENCY (5%)				226
TOTAL CONTRACT COST				4,743
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				261
TOTAL REQUEST				5,004
TOTAL REQUEST (ROUNDED)				5,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, steel frame, masonry walls, and built-up roof. Includes utilities and necessary support. Air Conditioning: 130 Tons. Grade Mix: 60 O1-O6, 10 E7-E9, 20 E5-E6, 40 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a billeting complex to include visiting officer quarters, visiting airmen quarters and a billeting office.

REQUIREMENT: Adequate on-base living quarters to properly accommodate officers and airmen in transit and temporary duty training status. These quarters must provide sufficient space and the degree of privacy necessary for proper rest, relaxation and individual well being and in the case of students, proper study area so they can meet the rigid requirements of the training programs. The primary requirement for the complex is to house officer and enlisted students on the base within close proximity to the training site.

CURRENT SITUATION: The primary need for transient quarters is dictated by the 831st Air Division mission to provide upgrade training for F-4s and support the US Army National Training Center (NTC), Ft Irwin, Ca, and joint exercises. In view of the intensity of the training schedule, the unaccompanied status of trainees and the limited quarters available in the local community, adequate on-base quarters are critical for mission accomplishment. Existing visiting officer and visiting airmen quarters are totally inadequate. These quarters are WW II wood frame buildings not configured to current billeting standards and unfit for trainee occupancy of two to four months. The individual comfort of the

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE VISITING PERSONNEL QUARTERS		5. PROJECT NUMBER HUUA863025

occupants is severely impacted by inadequate heating, cooling, lavatory systems and noise control. Contract quarters in a range of 10 to 45 miles from the base are used subject to availability. An extreme hardship occurs for students who are joint exercise participants or who attend long training courses like the F-4 training courses with an average duration of 87 days. Four WW II VOQ buildings, two WW II dormitories and one WW II billeting office will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: Substandard living accommodations will continue to degrade the training programs and the morale, productivity and career satisfaction of our transient officers and airmen.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION GEORGE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE VISITING PERSONNEL QUARTERS		5. PROJECT NUMBER HUUA863025

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		84 JUN 11
(b) Percent Complete as of January 1986		65
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 JUN 30
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		280
(b) All Other Design Costs		410
(c) Total		690
(d) Contract		608
(e) In-house		82
(4) Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 1.05

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	873	5,714	1091	250	3	0	13	35	105	8,084
b. END FY 19 91	901	5,787	1170	250	3	0	13	35	105	8,264

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (55,259)	
b. INVENTORY TOTAL AS OF 30 Sept 85	205,427
c. AUTHORIZATION NOT YET IN INVENTORY	16,850
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,760
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	38,179
g. REMAINING DEFICIENCY	14,450
h. GRAND TOTAL	302,916

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-000	Satellite Communications System Security	LS	600	Jan 85	Jan 86
141-182	Tactical Operations Center	34,000 SF	3,350	Jun 85	Apr 86
317-315	Radar Target Scatter Modernization-Phase II	LS	4,160	Feb 85	Apr 86
721-312	Unaccompanied Enlisted Personnel Housing	288 PN	4,500	Jul 85	Apr 86
911-146	Land Acquisition	4,950 AC	2,150	NA	NA
	Total		14,760		

9. Future Projects: (a) Included in Following Program (FY 88):

211-183	Sound Suppressor	2 EA	1,400
319-951	Addition to and Alter Test Track	26,000 SF	4,850
812-000	Upgrade Facilities	LS	7,000
	Total		13,250

(b) Typical planned next three years

136-666	Airfield Lighting	LS	550
112-211	Taxiway	37,000 SY	2,000

10. Mission or Major Functions: The base hosts an Air Division, a tactical fighter wing of F-15 aircraft, a tactical training wing of T-38 aircraft, a helicopter squadron detachment of UH-1 aircraft, a Systems Command Mobility Support Squadron and a fighter interceptor detachment.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO	4. PROJECT TITLE TACTICAL OPERATIONS CENTER

5. PROGRAM ELEMENT 2.75.97	6. CATEGORY CODE 141-182	7. PROJECT NUMBER KWRD873004	8. PROJECT COST ($000) 3,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TACTICAL OPERATIONS CENTER	SF	34,000	76	2,584
SUPPORTING FACILITIES				460
UTILITIES	LS			(80)
PAVEMENTS	LS			(90)
SITE IMPROVEMENTS	LS			(150)
COMMUNICATIONS	LS			(140)
SUBTOTAL				3,044
CONTINGENCY (5%)				152
TOTAL CONTRACT COST				3,196
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				176
TOTAL REQUEST				3,372
TOTAL REQUEST (ROUNDED)				3,350

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slabs, masonry walls, and built-up roof on metal deck. Includes utilities and necessary support. Air Conditioning - 100 tons.

11. REQUIREMENT: 52,700 SF ADQUATE: 18,700 SF SUBSTANDARD: 40,803 SF

PROJECT: Construct a two-story AT-38 academic facility to support the Lead-In Fighter Training (LIFT) Program.

REQUIREMENT: A building to be used jointly by the 465th Tactical Training Squadron for academic training of fighter pilots and for training in the use of life support equipment, emergency egress procedures and attack techniques. The building will provide space for the 479th TTW Deputy of Operations and his staff of 53 people. Students enrolled in training include Air Force pilots plus Air National Guard, Air Force Reserve, USAFE and PACAF pilots.

CURRENT SITUATION: The present academic activity is conducted in a structure built in 1943. Ventilation is inadequate and space is extremely limited and poorly configured. Lead-In Training (LIT) is one of the largest flying training programs in TAC. Each year over 1,100 students are trained in six separate training courses. All courses taught at LIT require academic or life support training. Instruction efficiency is impaired and occasionally classes are curtailed because of excessive heat during inclement weather. The wooden construction of the building is inadequate to protect the $3,000,000 of training equipment from fire damage. The base will demolish 22,848 SF of WW II wooden buildings as a result of this project.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE TACTICAL OPERATIONS CENTER		5. PROJECT NUMBER KWRD873004

IMPACT IF NOT PROVIDED: The reduction in instructional effectiveness and disruption of training will continue. Overall substandard construction will continue to negatively impact the effectiveness of this TAC mission essential training program and will degrade aircrew readiness.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE TACTICAL OPERATIONS CENTER		5. PROJECT NUMBER KWRD873004

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUN 26
(b) Percent Complete as of January 1986	90
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	227
(b) All Other Design Costs	0
(c) Total	227
(d) Contract	139
(e) In-house	88

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO	4. PROJECT TITLE RADAR TARGET SCATTER MODERNIZATION-PHASE II

5. PROGRAM ELEMENT 6.57.08	6 CATEGORY CODE 317-315	7. PROJECT NUMBER WKRD871011A	8. PROJECT COST ($000) 4,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RADAR TARGET SCATTER MODERNIZATION-PHASE II	LS			2,918
MAIN SUPPLY FACILITY	SF	11,200	85	(952)
MACHINE SHOP	SF	2,400	97	(233)
TEST EQUIPMENT MAINTANENCE FAC	SF	7,200	97	(698)
EQUIPMENT STORAGE FACILITY	SF	12,000	75	(900)
SECURITY FACILITY	SF	1,000	65	(65)
WASH RACK	LS			(70)
SUPPORTING FACILITIES				837
COMMUNICATIONS SUPPORT	LS			(79)
UTILITIES	LS			(106)
ELECTRIC SUBSTATION/GENERATORS	LS			(577)
SITE IMPROVEMENTS	LS			(75)
SUBTOTAL				3,755
CONTINGENCY (5%)				188
TOTAL CONTRACT COST				3,943
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				217
TOTAL REQUEST				4,160
TOTAL REQUEST (ROUNDED)				4,160

10 DESCRIPTION OF PROPOSED CONSTRUCTION Precast reinforced concrete buildings located in the desert, 25 miles north of White Sands park. Buildings will be on gypsum sand which will require special construction with no exposed metal parts. Includes electric substation, utilities and necessary support. Air Conditioning: 75 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct Radar Target Scatter (RATSCAT) support facilities.

REQUIREMENT: Adequate and properly configured facilities are required to support the RATSCAT research and development effort. The RATSCAT is an indoor electromagnetic laboratory that measures radar target backscatter, antenna gain and radiation pattern for DOD. RATSCAT provides radar cross section information used for detecting targets and development of countermeasures.

CURRENT SITUATION: RATSCAT support functions are located in existing prefabricated metal buildings that are severely corroded, are beyond normal maintenance and repair and must be replaced. They are overcrowded and were designed to meet test requirements and workloads of the early 1960's. The existing fabrication shop is restricted by the small facility size and deteriorated condition. Tools and equipment are stored in metal warehouses that permit dust, water and sand to infiltrate bearings and internal parts, seriously corroding the equipment. No area is available to wash the corrosive gypsum from vehicles and test equipment. Eleven deteriorated facilities will be disposed of on completion of this project.

IMPACT IF NOT PROVIDED: Overall effectiveness and capability to obtain accurate and timely data from the RATSCAT complex will continue to be degraded.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE RADAR TARGET SCATTER MODERNIZATION, PHASE II		5. PROJECT NUMBER WKRD871011A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 FEB 01
(b) Percent Complete as of January 1986	85
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 12
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	374
(b) All Other Design Costs	0
(c) Total	374
(d) Contract	240
(e) In-house	134
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO	4 PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER KWRD873012	8. PROJECT COST ($000) 4,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (288 PN)	SF	54,500	63	3,433
SUPPORTING FACILITIES				650
UTILITIES	LS			(90)
PAVEMENTS	LS			(250)
SITE IMPROVEMENTS	LS			(130)
COMMUNICATIONS	LS			(180)
SUBTOTAL				4,083
CONTINGENCY (5%)				204
TOTAL CONTRACT COST				4,287
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				236
TOTAL REQUEST				4,523
TOTAL REQUEST (ROUNDED)				4,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slabs, masonry walls and built-up roof on metal deck. Includes fire protection system, utilities and necessary support. Also includes demolition of existing substandard dormitory. Air Conditioning: 100 Tons. Grade Mix: 288 E1-E4.

11. REQUIREMENT: 2,256 PN ADEQUATE: 1,332 PN SUBSTANDARD: 670 PN

PROJECT: Construction of two unaccompanied enlisted personnel housing facilities.

REQUIREMENTS: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates. Removal of this irritant would help to maintain an effective force of experienced airmen and to prevent low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on-base requirement. The present dormitory overload will be further increased by the addition of new organizations and a large manning increase in the 4449 Mobility Support Squadron.

IMPACT IF NOT PROVIDED: Substandard living accommodations will continue to be a factor in low morale, reduced productivity, low retention and dissatisfaction with Air Force life for unaccompanied enlisted personnel.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

HOLLOMAN AIR FORCE BASE, NEW MEXICO

4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER KWRD873012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUL 05
(b) Percent Complete as of January 1986	90
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 28

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	209
(b) All Other Design Costs	0
(c) Total	209
(d) Contract	108
(e) In-house	101

(4) Construction start	86 OCT

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO	4. PROJECT TITLE LAND ACQUISITION

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 911-146	7 PROJECT NUMBER KWRD873013	8 PROJECT COST ($000) 2,150

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	AC	4,950	390	1,930
CONTINGENCY (5%)				97
TOTAL CONTRACT COST				2,027
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				111
TOTAL REQUEST				2,138
TOTAL REQUEST (ROUNDED)				2,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Acquire land to include 10 tracts with varing acreage and the Betty Dare Douglas well field. The total acreage is 4,956.48 acres.

11. REQUIREMENT: As required.

PROJECT: Land acquisition of 10 tracts held under Civil Action 8577 and of the Betty Dare Douglas well field.

REQUIREMENT: To acquire 10 tracts of land that have leases expiring by 1990; and to acquire the Betty Dare Douglas well field of 526 acres. The 10 tracts will maintain continuity to support the base mission. In addition, the well field is needed to provide continued use of established water rights currently leased by Holloman.

CURRENT SITUATION: The 10 tracts of land required have been leased annually from private land owners. All of these leases will have expired by June 1990. Acquiring property rights by lease is an expedient means to meet critical mission objectives and is an established Air Force practice. Recent court decisions ruled that condemning successive leaseholds on a tract of land, with the intention to continue doing so indefinitely, results in a taking of fee or perpetual easement. Future leasehold condemnation of successive terms may be challenged as exhibiting bad faith and the Air Force could be banned from continuing leasehold condemnations. The 10 tracts affect three major facets of the base; the ammunition storage area, the test track control and support buildings, and the La Luz gate (East entrance onto Holloman). The well field is owned by the Betty Dare Douglas Foundation. This foundation has notified Holloman of its intent to sell the well field and water rights. This well field produced approximately

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER KWRD873013

11. (Continued)
15% of the total water pumped to Holloman, an average in excess of 136 million gallons annually. The Douglas and San Andres (government owned) well fields are contiguous within the same underground aquifer. San Andres has contributed approximately 51% of the base water demand.

IMPACT IF NOT PROVIDED: Holloman is subject to the possible refusal of one or more owners to renegotiate at the end of a limited term. This would result in added costs related to condemnation proceedings. Operations in the north two-thirds of the base would be adversely impacted. The ammunition storage area, the test track control buildings and the La Luz gate and supporting features would all have to be relocated. Sale of the Betty Dare Douglas property and water rights to a third party would endanger the San Andres field's water supply. This would result in a decreased supply of water which is used to fulfill Holloman's increasing water need.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER KWRD873013

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	
(b) Percent Complete as of January 1986	0
(c) Percent Complete as of October 1986	0
(d) Date Design Complete	
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used -	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	0
(b) All Other Design Costs	0
(c) Total	0
(d) Contract	0
(e) In-house	0
(4) Construction start	

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION HOMESTEAD AIR FORCE BASE FLORIDA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 0.88

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	552	3,653	934	233	10	0	18	323	88	5,811
b. END FY 1991	482	4,019	946	233	10	0	18	323	88	6,119

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,380)	
b. INVENTORY TOTAL AS OF 30 Sept 85	137,307
c. AUTHORIZATION NOT YET IN INVENTORY	5,145
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,080
f. PLANNED IN NEXT THREE PROGRAM YEARS	51,684
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	208,866

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-193	Sound Suppressor	1 EA	730	Mar 84	Mar 86
217-713	F-16 ECM POD Shop and Storage	11,900 SF	1,650	Jun 84	Feb 86
442-515	Medical WRM Facility	8,100 SF	770	May 85	Dec 85
722-351	Dining Hall and Troop Issue Facility	25,300 SF	3,400	May 84	Jul 86
	Total		6,550		

9. Future Projects: (a) Included in Following Program (FY 88):

141-181	Alert Shelter Complex	LS	7,080

(b) Typical planned next three years:

411-135	Bulk JP-4 Fuel Storage	110 BL	2,277
730-443	Central Post Office	5,470 SF	550
510-001	Composite Medical Facility	335,000 SF	48,857

10. Mission or Major Functions: This base hosts a tactical training wing equipped with F-4 aircraft, an AFRES tactical fighter wing equipped with F-4 aircraft, a tactical control squadron and an AFRES aerospace rescue and recovery squadron.

11. Oustanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION HOMESTEAD AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-16 ECM POD SHOP AND STORAGE	
5 PROGRAM ELEMENT 2.71.33	6 CATEGORY CODE 217-713	7 PROJECT NUMBER MUHJ863018	8 PROJECT COST ($000) 1,650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16 ECM POD SHOP AND STORAGE	SF	11,900	100	1,190
SUPPORTING FACILITIES				290
UTILITIES	LS			(85)
PAVEMENTS	LS			(35)
SITE IMPROVEMENTS	LS			(170)
SUBTOTAL				1,480
CONTINGENCY (5%)				74
TOTAL CONTRACT COST				1,554
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				85
TOTAL REQUEST				1,639
TOTAL REQUEST (ROUNDED)				1,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, floor slab and structure, masonry walls and built-up roof on metal deck. Includes fire protection system, classified storage areas, parking, utilities, and necessary support. Air conditioning - 20 tons.

11. REQUIREMENT: 11,900 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Construct ECM pod shop building, 11,900 SF with sanitary sewer system, storm drainage and parking facilities.

REQUIREMENT: To house the maintenance and storage functions for equipment and personnel in connection with ECM pod for the new F-16 mission.

CURRENT SITUATION: The ECM pod shop and avionics functions are presently housed within the same structure. Plans to expand these functions for new mission requirements necessitates a new structure for the ECM pod shop. The limited ECM mantenance requirements for the current training mission are accomplished in a single room of the avionics facility. This area is grossly undersized for the future aircraft. Furthermore, this space must be converted for additional avionics maintenance to support the future dual aircraft mission.

IMPACT IF NOT PROVIDED: Failure to construct an additional facility will seriously impair conversion of the 31 Tactical Fighter Wing from F-4 to F-16 aircraft. No other facility is available.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HOMESTEAD AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE F-16 ECM POD SHOP AND STORAGE		5. PROJECT NUMBER MUHJ863018

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 JUN 15
	(b) Percent Complete as of January 1986	95
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 17
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	179
	(b) All Other Design Costs	0
	(c) Total	179
	(d) Contract	132
	(e) In-house	47
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HOMESTEAD AIR FORCE BASE, FLORIDA	4. PROJECT TITLE DINING HALL AND TROOP ISSUE FACILITY

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 722-351	7. PROJECT NUMBER KYJL863047	8. PROJECT COST ($000) 3,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DINING HALL AND TROOP ISSUE FACILITY	SF	25,300	100	2,530
SUPPORTING FACILITIES				535
UTILITIES	LS			(220)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS			(120)
COMMUNICATIONS SUPPORT	LS			(165)
SUBTOTAL				3,065
CONTINGENCY (5%)				153
TOTAL CONTRACT COST				3,218
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				177
TOTAL REQUEST				3,395
TOTAL REQUEST (ROUNDED)				3,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct dining hall and troop issue facility. Demolish two dining halls and one troop issue facility. Includes spread footings, concrete floor, masonry walls, steel roof joists, built-up roof, all utilities and necessary support. Air Conditioning - 30 tons.

11. REQUIREMENT: 25,300 SF ADEQUATE: 0 SF SUBSTANDARD: 34,300 SF

PROJECT: Construct a facility to house an unaccompanied enlisted personnel dining h[illegible] and storage of perishable and nonperishable subsistence supplies.

REQUIREMENT: An adequately sized and configured dining facility is required to properly feed assigned and transient unaccompanied enlisted personnel. To attract and retain competent, professional enlisted personnel, the dining facility must provide a pleasant atmosphere. There must be adequate space for food preparation and dishwashing equipment, dining and food storage. Plus, adequate space is required for the storage of perishable and nonperishable troop issue subsistence supplies to support the dining hall.

CURRENT SITUATION: The existing dining hall and troop issue functions are located in three separate, substandard facilities. These three facilities are over 27 years old and have outlived their life expectancy. The layout of the existing dining halls makes them unsuitable for conversion to an efficient, a la cart feeding system. Deteriorated, leaking pipes have caused extensive damage to the facilities and generated odors offensive to diners. Basement flooding in heavy rains causes unsanitary conditions with backed up drains. In addition, two cooking, serving and cleanup crews are required. The

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HOMESTEAD AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE DINING HALL AND TROOP ISSUE FACILITY		5. PROJECT NUMBER KYJL863047

existing deteriorated troop issue facility will be demolished upon completion of this project. The building has been renovated, altered and patched until maintenance or repair is no longer feasible. Air conditioning and heating is inadequate, inefficient and costly because of poor insulation and deteriorated weatherproofing of doors and windows. The deteriorated condition of the utilities system and the obsolete electrical system cause low water pressure and unstable electrical power.

IMPACT IF NOT PROVIDED: Substandard facilities will continue to be used with adverse effect on food service and troop morale.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

HOMESTEAD AIR FORCE BASE, FLORIDA

4. PROJECT TITLE DINING HALL AND TROOP ISSUE FACILITY	5. PROJECT NUMBER KYJL863047

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 MAY 16
(b)	Percent Complete as of January 1986	98
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 JUL 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	333
(b)	All Other Design Costs	51
(c)	Total	384
(d)	Contract	282
(e)	In-house	102

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION INDIAN SPRINGS AIR FORCE AUXILIARY FIELD, NEVADA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,300)	
b. INVENTORY TOTAL AS OF 30 Sep 85	13,224
c. AUTHORIZATION NOT YET IN INVENTORY	2,560
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	18,884

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
149-962	Control Tower	1 EA	1,700	Feb 85	Sep 86

9. Future Projects: Included in Following Program (FY 88):
740-674 Composite Recreational Facility 10,500 SF 1,400

10. Mission or Major Functions: This base serves as an Auxiliary Airfield for Nellis AFB, NV. It hosts a squadron of range support helicopters.

11. Oustanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION INDIAN SPRINGS AUXILIARY FIELD, NEVADA	4 PROJECT TITLE CONTROL TOWER

5 PROGRAM ELEMENT 3.51.14	6 CATEGORY CODE 149-962	7 PROJECT NUMBER LTKC873020	8 PROJECT COST ($000) 1,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONTROL TOWER	EA	1	1,100	1,100
SUPPORTING FACILITIES				435
UTILITIES	LS			(200)
PAVEMENTS	LS			(25)
SITE IMPROVEMENTS	LS			(70)
DEMOLITION	LS			(140)
SUBTOTAL				1,535
CONTINGENCY (5%)				77
TOTAL CONTRACT COST				1,612
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				89
TOTAL REQUEST				1,701
TOTAL REQUEST (ROUNDED)				1,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, floor slabs and walls, control cab with double pane glass and elevator and demolition of an existing facility. Area includes control cab, equipment room, office, training/briefing room, generator and mechanical equipment room, toilet, utilities and other necessary support. Air Conditioning - 20 Tons.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA

PROJECT: Construct a new control tower.

REQUIREMENT: An aircraft control tower, properly sited, of correct height and configuration to provide air traffic controllers a clear view of the runway and traffic patterns and to provide for safe airborne and ground traffic control on and around the airfield. To satisfy the clear view requirement of this field, the tower must be 51 feet high to the base of the cab.

CURRENT SITUATION: The existing control tower is a 35-foot high, open steel, converted forest service fire lookout tower built in 1945. The height of the tower is insufficient to provide the required clear view of the airport. The control cab is too small to support the full three-position equipment console and the equipment room is not large enough for the associated equipment. Cracks around the windows allow dust and water to penetrate the interior and damage expensive electronic equipment. It does not have an adequate latrine facility.

IMPACT IF NOT PROVIDED: Air traffic controllers will work in a facility that does not comply with safety and health standards. The control tower is unable to satisfactorily comply with present mission demands. A projected airfield expansion will make the situation more critical.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION INDIAN SPRINGS AUXILIARY FIELD, NEVADA		
4. PROJECT TITLE CONTROL TOWER		5. PROJECT NUMBER LTKC873020

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 FEB 18
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 07
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used - AFCC	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	100
(b) All Other Design Costs	143
(c) Total	243
(d) Contract	189
(e) In-house	54
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT		2 DATE
AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
LANGLEY AIR FORCE BASE, VIRGINIA	TACTICAL AIR COMMAND	0.95

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	2,199	6,971	1,726	0	0	0	16	43	5	10,960
b. END FY 1991	2,210	7,090	1,739	0	0	0	16	42	5	11,102

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (3,440)	
b INVENTORY TOTAL AS OF 30 Sept 85	198,316
c AUTHORIZATION NOT YET IN INVENTORY	0
d AUTHORIZATION REQUESTED IN THIS PROGRAM	25,650
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	9,100
f PLANNED IN NEXT THREE PROGRAM YEARS	17,465
g REMAINING DEFICIENCY	6,260
h GRAND TOTAL	256,791

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312-477	Anti-Satellite System	LS	15,600*	Sep 83	Dec 85
442-758	Base Supply Complex-Phase III	60,800 SF	4,450	Jan 84	May 86
610-711	Addition to and Alter Data Processing Facility	92,500 SF	3,550	May 85	Jul 86
800-000	Energy Conservation Investment Program	LS	1,640	Apr 85	Feb 86
	Total Appropriation Request		25,240		
	Total Authorization Request		10,050		
	Carry-over Authorization in FY 85		15,600*		

9. Future Projects: (a) Included in Following Program (FY 88):

141-745	Addition to and Alter Intelligence Production Facility	12,800 SF	2,700
215-582	Munitions Maintenance & Inspection Shop	6,100 SF	850
510-001	Medical Life Safety Critical	LS	1,500
721-312	Unaccompanied Enlisted Personnel Housing	288 PN	4,050
	Total		9,100
	(b) Typical Planned Next Three Years:		
880-221	Fire Alarm System	77 BL	3,290

10. Mission or Major Functions: This base hosts Headquarters, Tactical Air Command, a tactical fighter wing of F-15 aircraft, a fighter Interceptor squadron with F-15 and T-33 aircraft, an Airborne Command and Control Squdaron with EC-135 aircraft, a Military Airlift Detachment with CT-29 aircraft and an Aircraft Delivery Group.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 0.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4 PROJECT TITLE ANTI-SATELLITE SYSTEM COMPLEX

5 PROGRAM ELEMENT 1.24.50	6 CATEGORY CODE 312-477	7 PROJECT NUMBER MUHJ853009	8 PROJECT COST ($000) 15,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANTI-SATELLITE SYSTEM COMPLEX				15,600
INTEGRATED MAINTENANCE FACILITY				(9,300)
UTILITIES, PAVEMENTS AND SITE WORK				(2,900)
MISSILE AND MOTOR STORAGE FACILITY				(1,900)
ADMINISTRATIVE BUILDING				(500)
CONTROL CENTER				(420)
HAZARDOUS MATERIAL STORAGE				(300)
SECURITY CONTROL				(280)
TOTAL APPROPRIATION REQUEST				15,600
CARRY OVER AUTHORIZATION FROM FY85				15,600
TOTAL AUTHORIZATION REQUEST				0

NOTE 1: THE ABOVE COSTS INCLUDE 5.0% CONTINGENCY AND 5.5% SUPERVISION, INSPECTION AND OVERHEAD.

NOTE 2: THIS DD FORM 1391 SUMMARIZES FY 87 MILCON REQUIREMENTS IN SUPPORT OF ASAT FACILITIES AT LANGLEY AFB. INDIVIDUAL PROJECT JUSTIFICATIONS ARE SHOWN ON THE ATTACHED DD FORMS 1391/1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete/masonry facilities; security fencing, lighting and entry control; utilities, pavements, site improvements and all necessary support. Includes missile assembly, inspection, test and maintenance; motor storage; hydrazine and cryogen material processing and storage; TEMPEST shielded operational control center, raised flooring, and administrative space. Air Conditioning: 210 Tons

11. REQUIREMENT: As required.

PROJECT: Construct a facility complex to deploy the Anti-Satellite (ASAT) System.

REQUIREMENT: Certain Soviet space systems pose a grave threat to U.S. air, land, and sea forces. To negate these Soviet systems, the President has directed development of an anti-satellite capability as soon as possible with operational deployment as a goal. An integrated complex is required to administer, operate and control the ASAT system, on command of NORAD; store, assemble and maintain missiles and equipment; and safely store and process hydrazine fuel and cryogens.

CURRENT SITUATION: Existing facilities cannot accommodate the unique requirement of this new system. This will provide facility requirements for deployment of the ASAT System at Langley AFB.

IMPACT IF NOT PROVIDED: Without the ASAT System support facilities at Langley AFB, the anti-satellite system cannot be deployed.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4 PROJECT TITLE ASAT-INTEGRATED MAINTENANCE FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.24.50	312-477	MUHJ853009A	9,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ASAT-INTEGRATED MAINTENANCE FACILITY	SF	40,200	180	7,236
SUPPORTING FACILITIES				1,160
UTILITIES	LS			(760)
EMERGENCY POWER	LS			(400)
SUBTOTAL				8,396
CONTINGENCY (5.0%)				420
TOTAL CONTRACT COST				8,816
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				485
TOTAL REQUEST				9,301
TOTAL REQUEST (ROUNDED)				9,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(36,700)

10 DESCRIPTION OF PROPOSED CONSTRUCTION High bay facility of masonry structural framing, non-combustible walls, partitions and major components including monorail system, clean rooms, battery room and other areas necessary to maintain missile systems. Facility includes emergency generator, all utilities and necessary support. Air Conditioning: 160 Tons

11. REQUIREMENT: 40,200 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an integrated maintenance facility to support the Anti-Satellite (ASAT) System.

REQUIREMENT: An adequate facility is required to assemble, inspect and regularly reinspect ASAT missiles during its operational lifetime.

CURRENT SITUATION: There are no existing facilities that can accommodate the unique requirements for maintenance, assembly and inspection of the ASAT missile.

IMPACT IF NOT PROVIDED: Without this facility, the anti-satellite system cannot be deployed.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

LANGLEY AIR FORCE BASE, VIRGINIA

4. PROJECT TITLE ASAT - INTEGRATED MAINTENANCE FACILITY	5. PROJECT NUMBER MUHJ853009A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 SEP 23
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 DEC 16

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	652
(b) All Other Design Costs	0
(c) Total	652
(d) Contract	545
(e) In-house	107

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Electrical Test, Mechanical Support, and Equipment	3600, 3020 3010	87-90	36,700

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4. PROJECT TITLE ASAT-UTILITIES, PAVEMENTS AND SITEWORK

5 PROGRAM ELEMENT 1.24.50	6 CATEGORY CODE 312-477	7 PROJECT NUMBER MUHJ853009H	8. PROJECT COST ($000) 2,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ASAT-UTILITIES, PAVEMENTS AND SITEWORK	LS			2,635
SUBTOTAL				2,635
CONTINGENCY (5.0%)				132
TOTAL CONTRACT COST				2,767
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				152
TOTAL REQUEST				2,919
TOTAL REQUEST (ROUNDED)				2,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Provide all necessary site preparation, storm drainage, electrical, mechanical and other required utilities for the ASAT facilities complex. Includes access roads, parking and other pavement work with all necessary support.

11. REQUIREMENT: As required.

PROJECT: Provide utility, pavement and sitework construction support to the Anti-Satellite facilities complex.

REQUIREMENT: Adequate utilities, pavements and sitework is required to support facilities being constructed for the ASAT complex.

CURRENT SITUATION: Construction project programmed for ASAT facilities are all work necessary within five-foot of the facility. Primary utility, pavement and sitework for the complex is programmed within this project.

IMPACT IF NOT PROVIDED: Without this project, ASAT facilities will not be provided the necessary utility, pavement and sitework support. The anti-satellite system cannot be deployed.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE ASAT-UTILITIES, PAVEMENTS AND SITEWORK		5. PROJECT NUMBER MUHJ853009R

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	83 SEP 23
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 DEC 16
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	203
	(b) All Other Design Costs	0
	(c) Total	203
	(d) Contract	180
	(e) In-house	23
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4 PROJECT TITLE ASAT-MISSILE AND MOTOR STORAGE FACILITY

5 PROGRAM ELEMENT 1.24.50	6 CATEGORY CODE 312-477	7 PROJECT NUMBER MUHJ853009B	8 PROJECT COST ($000) 1,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ASAT-MISSILE AND MOTOR STORAGE FACILITY	SF	22,600	58	1,311
SUPPORTING FACILITIES	LS			405
SUBTOTAL				1,716
CONTINGENCY (5.0%)				86
TOTAL CONTRACT COST				1,802
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				99
TOTAL REQUEST				1,901
TOTAL REQUEST (ROUNDED)				1,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(3,600)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete facility with storage areas, security features, missile hoist and all utilities and necessary support. Air Conditioning: 160 Tons

11. REQUIREMENT: 22,600 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an anti-satellite (ASAT) missile and motor storage facility.

REQUIREMENT: An adequate facility is required to store fully assembled ASAT missiles and rocket motors awaiting assembly.

CURRENT SITUATION: There are no existing facilities that can accommodate storage of ASAT missiles and rocket motors.

IMPACT IF NOT PROVIDED: Without this facility, the anti-satellite system cannot be deployed.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE ASAT-MISSILE AND MOTOR STORAGE		5. PROJECT NUMBER MUHJ853009B

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	83 SEP 23
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 DEC 16

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	310
(b)	All Other Design Costs	0
(c)	Total	310
(d)	Contract	260
(e)	In-house	50

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Storage and Checkout Equipment	3600, 3020	87-90	3,600

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION

LANGLEY AIR FORCE BASE, VIRGINIA

4 PROJECT TITLE ANTI-SATELLITE SYSTEM COMPLEX	5. PROJECT NUMBER

($000)

ADMINISTRATIVE BUILDING SCOPE: 4,000 SF COST: 500
REQUIREMENT: 4,000 SF ADEQUATE: 0 SUBSTANDARD: 0
MUHJ853009C

Construct a facility in the vicinity of the maintenance complex to provide administrative support. Facility will support approximately 30 engineers.

HAZARDOUS MATERIAL STORAGE SCOPE: 1,840 SF COST: 300
REQUIREMENT: 1,840 SF ADEQUATE: 0 SUBSTANDARD: 0
MUHJ853009D

Construct a masonry building to store factory-sealed hydrazine used to power the last stage of the missile. Construct a cryogen storage and processing facility to store and process the liquid helium and nitrogen associated with preparation of the missiles for flight. Project includes a bulk storage tank with liquification system to recover vapors.

CONTROL CENTER SCOPE: 1,000 SF COST: 420
REQUIREMENT: 1,000 SF ADEQUATE: 0 SUBSTANDARD: 0
MUHJ853009E

Construct a reinforced concrete facility to house the communication equipment which will receive the operational orders from the NORAD Cheyenne Mountain Complex and relay the information to deploy the system. Project includes TEMPEST protection and raised flooring.

SECURITY CONTROL SCOPE: LS COST: 280
REQUIREMENT: As required
MUHJ853009G

Construct fencing, entry gates and entry control building, lighting and all necessary support to provide security to the ASAT facilities complex.

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4 PROJECT TITLE BASE SUPPLY COMPLEX - PHASE III

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 442-758	7 PROJECT NUMBER MUHJ863017	8 PROJECT COST ($000) 4,450

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE SUPPLY COMPLEX - PHASE III	LS			2,521
BASE SUPPLY & EQUIPMENT WAREHOUSE	SF	40,500	31	(1,256)
BASE SUPPLY ADMINISTRATION	SF	22,600	56	(1,265)
SUPPORTING FACILITIES				1,504
UTILITIES	LS			(164)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(245)
PILINGS	LS			(765)
COMMUNICATIONS	LS			(220)
SUBTOTAL				4,025
CONTINGENCY (5%)				201
TOTAL CONTRACT COST				4,226
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				232
TOTAL REQUEST				4,458
TOTAL REQUEST (ROUNDED)				4,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Pile foundation and concrete floor slab, masonry storage, security storage and administrative space. Includes all utilities and support. This is Phase III of a three-phase project. Air Conditioning - 100 Tons.

11. REQUIREMENT: 287,400 SF ADEQUATE: 59,400 SF SUBSTANDARD: 116,200 SF

PROJECT: Construct a base supply and equipment warehouse with administrative offices.

REQUIREMENT: A warehouse for the efficient processing, handling and storage of supplies. This facility must permit the storage and retrieval of materials consistent with the speed and volume of modern handling systems and centralized supply management. Missions of the 1st Tactical Fighter Wing require the capability to rapidly prepare WRM supplies and equipment for deployment.

CURRENT SITUATION: Base supply and equipment warehouse functions are being accomplished in nine widely separated facilities, most of which were constructed in 1913 and 1932. The lack of adequate storage capacity requires many supplies to be stored outside. This results in accelerated deterioration and/or loss. The existing facilities, while permanent, lack the open space and ceiling height to accommodate modern material handling systems and equipment. The facilities are located in a highly congested area which prohibits adequate dock areas and restricts base traffic flow. Lack of loading docks and/or ramps requires supplies to be handled excessively which is labor intensive and increases potential for damage.

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE BASE SUPPLY COMPLEX - PHASE III		5. PROJECT NUMBER MUHJ863016

IMPACT IF NOT PROVIDED: Materials which should be stored inside will remain in outside storage with the resultant loss and deterioration. Warehouse management and material handling will continue to be inefficient.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE BASE SUPPLY COMPLEX - PHASE III		5. PROJECT NUMBER MUHJ863017

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	84 JAN 17
	(b)	Percent Complete as of January 1986	65
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 MAY 16
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	262
	(b)	All Other Design Costs	29
	(c)	Total	291
	(d)	Contract	216
	(e)	In-house	75
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4 PROJECT TITLE ADD TO AND ALTER DATA PROCESSING FACILITY

5 PROGRAM ELEMENT 2.74.12	6 CATEGORY CODE 610-711	7 PROJECT NUMBER MUHJ873053	8 PROJECT COST ($000) 3,550

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER DATA PROCESSING FACILITY	LS			2,330
ADDITION	SF	25,000	77	(1,925)
ALTERATION	SF	67,500	6	(405)
SUPPORTING FACILITIES				885
SPECIAL FIRE PROTECTION SYSTEMS	LS			(110)
UTILITIES	LS			(505)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(50)
COMMUNICATIONS	LS			(170)
SUBTOTAL				3,215
CONTINGENCY (5%)				161
TOTAL CONTRACT COST				3,376
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				186
TOTAL REQUEST				3,562
TOTAL REQUEST (ROUNDED)				3,550

10 DESCRIPTION OF PROPOSED CONSTRUCTION Two-story addition with computer area and administrative space. Architectural design to match existing facility. Include card entry system, EMCS, Halon fire suppression, additional parking, security fencing, utilities, and necessary support.
Air Conditioning: 175 tons

11. REQUIREMENT: 115,500 SF ADEQUATE: 23,000 SF SUBSTANDARD: 69,440 SF

PROJECT: Construct an addition to and alter the existing data processing facility.

REQUIREMENT: An adequately sized and configured facility is required to house additional manpower and equipment necessary to support the implementation and Joint Compatibility and Interoperability testing of Tactical Digital Information Link (TADIL-J). TADIL-J is a secure digital message standard designed for use in the Joint Tactical Information Distribution System (JTIDS) equipment which supports the Joint Interoperability of Tactical Command and Control Systems (JINTACCS) program.

CURRENT SITUATION: Headquarters Tactical Air Command tactical computer systems are presently housed in a facility which is fully occupied or allocated to inbound new systems. The complexity of TADIL-J, the interfaces required, and the additional workload associated with TADIL-J make current manpower authorizations inadequate for testing of TADIL-J. Also, existing facilities do not allow sufficient space for the housing of the F-15 test equipment and 100 additional personnel required for TADIL-J testing. This facility will permit full Air Force development of the F-15 support for TADIL-J implementation. TADIL-J will then

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE ADD TO AND ALTER DATA PROCESSING FACILITY		5. PROJECT NUMBER MUHJ873053

provide all services with a secure, jam resistant digital link for exchange of tactical surveillance and control data.

IMPACT IF NOT PROVIDED: Without this facility to house additional equipment and personnel, Air Force implementation and interoperability with JTIDS would be impaired. Joint Services compatability during wartime would be severely reduced.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE ADD TO AND ALTER DATA PROCESSING FACILITY		5. PROJECT NUMBER MUHJ873053

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 17
	(b) Percent Complete as of January 1986	90
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 21
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	205
	(b) All Other Design Costs	33
	(c) Total	238
	(d) Contract	178
	(e) In-house	60
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA	4 COMMAND TACTICAL AIR COMMAND	5 AREA CONSTR COST INDEX 1.02

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	647	4,550	1002	86	1	0	0	0	15	6,301
b. END FY 1991	673	4,589	1222	94	4	0	0	0	15	6,597

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (7,770)	
b. INVENTORY TOTAL AS OF 30 Sept 85	130,202
c. AUTHORIZATION NOT YET IN INVENTORY	21,380
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,540
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	32,145
g. REMAINING DEFICIENCY	18,295
h. GRAND TOTAL	228,062

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
120-000	JP-4 Vapor Incineration System Facility	LS	1,350	Jan 85	Oct 86
211-153	Non-Destructive Inspection Facility	4,800 SF	740	Feb 85	Feb 86
211-177	Small Aircraft Maintenance Docks	LS	6,380	Nov 84	May 86
442-515	Medical WRM Facility	8,100 SF	720	Jul 85	Jan 86
610-249	F-16 Wing Headquarters Facility	12,000 SF	1,350*	Jun 84	Apr 85
	Total Appropriations Request		10,540		
	Total Authorization Request		9,190		
	Carry-over Authorization in FY 86		1,350*		

9. Future Projects: (a) Included in the Following Program (FY 88):

141-453	Base Operations/Transit Alert	17,500 SF	2,000
721-312	Unaccompanied Enlisted Personnel Housing	360 PN	5,500
880-211	Hangar Fire Protection	LS	6,700
911-146	Land Acquisition (Range)	2,811 SF	1,350
	Total		15,500

(b) Typical Planned Next Three Years:

136-664	Runway Lighting	8,500 LF	1,700

10. Mission or Major Functions: This base hosts an Air Division headquarters; two tactical training wings, one F-15 and one F-16 aircraft; and an Air Force Reserve Special Operations squadron of CH-3 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA	4 PROJECT TITLE JP-4 VAPOR INCINERATION SYSTEM

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 120-000	7 PROJECT NUMBER NUEX873014	8 PROJECT COST ($000) 1,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
JP-4 VAPOR INCINERATION SYSTEM	LS			724
FUEL TANK 2,500 BARREL	EA	2	180,500	(361)
INCINERATOR FLARE	LS			(258)
PUMP STATION	EA	1	105,000	(105)
SUPPORTING FACILITIES				505
UTILITIES	LS			(445)
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				1,229
CONTINGENCY (5%)				61
TOTAL CONTRACT COST				1,290
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				71
TOTAL REQUEST				1,361
TOTAL REQUEST (ROUNDED)				1,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a vapor recovery and incinerator facility which includes two 2,500-barrel storage tanks, modifications to existing tanks and piping, transfer pump station, piping to flare and fencing, utilities and necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct a JP-4 vapor incineration system.

REQUIREMENT: A JP-4 vapor recovery and control system is needed to minimize vapor emissions at each truck refueling station, thereby complying with air pollution laws of the County of Maricopa and the State of Arizona. County officials have indicated intent to issue a Notice of Violation unless steps are taken to achieve compliance. Both county and state officials have accepted this project's concept as an acceptable method for vapor control.

CURRENT SITUATION: The Luke AFB POL Operations Branch dispenses 154,000 gallons of JP-4 jet fuel per day. Presently, all aircraft on the base are refueled by refueling trucks. This method of fuel transfer (bulk storage to truck to aircraft) results in vapor emissions that violate county and state air emission regulations. An agreement has been negotiated with the county to control JP-4 vapors. Without the project, the Air Force does not comply with this agreement.

IMPACT IF NOT PROVIDED: Air emissions from the base's refueling operations will continue to violate county and state air quality criteria. Failure to achieve compliance will subject the Air Force to heavy fines and disciplinary action.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE JP-4 VAPOR INCINERATION SYSTEM		5. PROJECT NUMBER NUEX873014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 21
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 OCT 01

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	72
(b) All Other Design Costs	130
(c) Total	202
(d) Contract	123
(e) In-house	79

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE

3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA	4. PROJECT TITLE SMALL AIRCRAFT MAINTENANCE DOCKS

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 211-177	7. PROJECT NUMBER NUEX873008	8. PROJECT COST ($000) 6,380

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SMALL AIRCRAFT MAINTENANCE DOCKS	LS			3,634
MAINTENANCE DOCKS	SF	48,500	72	(3,492)
FIRE SUPPRESSION PUMP HOUSES	SF	1,450	47	(68)
DISSIMILAR AIRCRAFT COMBAT TRAINING	SF	1,000	74	(74)
SUPPORTING FACILITIES				2,130
UTILITIES	LS			(150)
PAVEMENTS	LS			(130)
SITE IMPROVEMENTS	LS			(410)
AQUEOUS FILM FORMING FOAM	LS			(5,764)
COMMUNICATIONS	LS			(200)
SUBTOTAL				5,764
CONTINGENCY (5%)				288
TOTAL CONTRACT COST				6,052
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				332
TOTAL REQUEST				6,384
TOTAL REQUEST (ROUNDED)				6,380

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construction of two masonry buildings with concrete foundations and floor slabs, block walls, steel roof trusses with built-up roof. Includes utilities and necessary support. Air Conditioning: 10 Tons.

11. REQUIREMENT: 50 Spaces ADEQUATE: 35 Spaces SUBSTANDARD: 0

PROJECT: Construct two small aircraft maintenance docks.

REQUIREMENT: The training mission and number of aircraft projected to be based at Luke Air Force Base require a total of 50 spaces to provide facilities to inspect, maintain and repair assigned aircraft.

CURRENT SITUATION: The maintenance dock hangar spaces on the east flightline side of the parking apron have been disposed of as a result of siting prior year MCP construction projects. This project will replace the deteriorated wooden hangar and provide space for aircraft maintenance activities.

IMPACT IF NOT PROVIDED: Delays in performing required aircraft maintenance due to a lack of sufficient dock space and maintenance facilities.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE SMALL AIRCRAFT MAINTENANCE DOCKS		5. PROJECT NUMBER MUEX873008

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 NOV 01
	(b) Percent Complete as of January 1986	80
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 20
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	100
	(b) All Other Design Costs	197
	(c) Total	297
	(d) Contract	2
	(e) In-house	295
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4 PROJECT TITLE F-16 WING HEADQUARTERS FACILITY	
5 PROGRAM ELEMENT 2.71.33	6 CATEGORY CODE 610-249	7 PROJECT NUMBER NUEX853015	8 PROJECT COST ($000) 1,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16 WING HEADQUARTERS FACILITY	SF	12,000	68	816
SUPPORTING FACILITIES				405
PAVEMENTS	LS			(150)
SITE IMPROVEMENTS	LS			(120)
UTILITIES	LS			(95)
RELOCATION/DEMOLITION (BUILDING)	LS			(30)
SEISMIC	LS			(10)
SUBTOTAL				1,221
CONTINGENCY (5%)				61
TOTAL CONTRACT COST				1,282
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				71
TOTAL REQUEST				1,353
TOTAL REQUEST (ROUNDED)				1,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slabs, masonry walls, steel roof trusses, metal roof. Area includes offices and administration spaces, briefing rooms, latrines, all necessary utilities and support. Air Conditioning: 50 Tons.

11. REQUIREMENT: 12,000 SF ADEQUATE: 0 SUBSTANDARD: 8,400 SF

PROJECT: Construct a Wing Headquarters facility.

REQUIREMENT: A new Wing Headquarters is required to free up existing space in a dual squadron operations facility to beddown the third F-16 squadron. An adequate Wing Headquarters is required to provide administrative space for the Wing Commander and his staff to include the deputy commander for operations, intelligence, communications and operations plans.

CURRENT SITUATION: The 58 TTW is deficient in Squadron Operations facilities. With the arrival of the third F-16 squadron in 1985, the most expeditious action to beddown the new squadron is to alter the existing Wing Headquarters portion of a squadron operations facility. The building was originally designed as a dual squadron operations facility, but one-half is used as the 58 TTW Wing Headquarters. The Wing Headquarters function will be crowded into several scattered facilities on base until a new facility can be constructed. This forced movement of the 58 TTW Headquarters will severely impact its operation until an adequate new facility is made available.

IMPACT IF NOT PROVIDED: The Wing Headquarters function will be severely handicapped if forced to remain in crowded substandard scattered facilities.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE F-16-WING HEADQUARTERS FACILITY		5. PROJECT NUMBER NUEX853014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		84 JUN 20
(b) Percent Complete as of January 1986		95
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		85 APR 08
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		28
(b) All Other Design Costs		56
(c) Total		84
(d) Contract		84
(e) In-house		0
(4) Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 0.77

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	802	4,283	834	82	47	0	488	672	45	7,253
b. END FY 1991	813	4,525	834	82	47	0	488	672	45	7,506

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (5,767)	
b. INVENTORY TOTAL AS OF 30 Sept 85	182,353
c. AUTHORIZATION NOT YET IN INVENTORY	4,350
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	43,808
g. REMAINING DEFICIENCY	7,453
h. GRAND TOTAL	262,014

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-515	Medical WRM Facility	9,200 SF	780	May 85	Feb 86
610-243	Base Contracting Facility	12,700 SF	1,350	Apr 84	Feb 86
610-284	Alter USREDCOM Command Center	18,000 SF	1,600	Apr 84	Mar 86
	Total		3,730		

9. Future Projects: Included in Following Program (FY 88):

211-183	Sound Suppressor	1 EA	700
442-758	Multiple Storage Facilities	45,250 SF	2,000
610-128	Combat Support Center	81,400 SF	6,100
721-312	Alter Unaccompanied Enlisted Personnel Housing	408 PN	3,460
800-000	Energy Conservation Investment Program	LS	840
	Total		13,100

10. Mission or Major Functions: This base hosts the U.S. Readiness Command, Central Command Headquarters, and a tactical training wing with F-16 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	1,069
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA	4 PROJECT TITLE BASE CONTRACTING FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	610-243	NVZR863719	1,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE CONTRACTING FACILITY	SF	12,700	61	774
SUPPORTING FACILITIES				425
SITE IMPROVEMENTS	LS			(70)
COMMUNICATIONS SUPPORT	LS			(30)
UTILITIES	LS			(75)
PAVEMENTS	LS			(140)
FILL	LS			(110)
SUBTOTAL				1,199
CONTINGENCY (5%)				60
TOTAL CONTRACT COST				1,259
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				69
TOTAL REQUEST				1,328
TOTAL REQUEST (ROUNDED)				1,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls with brick exterior finish, and built-up roof. Includes all utilities and support. Air conditioning - 45 tons

11. REQUIREMENT: 12,700 SF ADEQUATE: 0 SUBSTANDARD: 5,700 SF

PROJECT: Construct a base contracting facility.

REQUIREMENT: An adequate facility is required for personnel who procure and contract for supplies, equipment, services and construction for the entire base and logistically supported activities located off-base. This facility is used for the public opening of bids and the reception of representatives of local and national firms and other governmental agencies.

CURRENT SITUATION: The existing contracting office is housed in a WW II wooden facility which is seriously inadequate in size and is not configured to provide adequate procurement and contracting services. Its age and condition makes it uneconomical to upgrade, operate and maintain. The building is structurally unsound, energy inefficient and lacks adequate electrical, mechanical and fire protection systems. No other adequate space is available to accommodate the contracting office. The existing WW II facility will be demolished.

IMPACT IF NOT PROVIDED: The base contracting office will continue to operate and maintain a high resource consuming, substandard facility.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE BASE CONTRACTING FACILITY		5. PROJECT NUMBER NVZR863719

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 APR 09
	(b) Percent Complete as of January 1986	85
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 12
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	191
	(b) All Other Design Costs	2
	(c) Total	193
	(d) Contract	98
	(e) In-house	93
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA	4 PROJECT TITLE ALTER USREDCOM COMMAND CENTER

5 PROGRAM ELEMENT 2.11.31	6 CATEGORY CODE 610-284	7 PROJECT NUMBER NVZR873705	8 PROJECT COST ($000) 1,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER USREDCOM COMMAND CENTER	SF	18,000	48	864
SUPPORTING FACILITIES				500
SITE IMPROVEMENTS	LS			(60)
UTILITIES	LS			(60)
PAVEMENTS	LS			(60)
COMMUNICATIONS SUPPORT	LS			(50)
TEMPEST SHIELDING	LS			(180)
DEMOLITION	LS			(90)
SUBTOTAL				1,364
CONTINGENCY (10%)				136
TOTAL CONTRACT COST				1,500
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				83
TOTAL REQUEST				1,583
TOTAL REQUEST (ROUNDED)				1,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Interior demolition and construction of walls, partitions, finishes, floors, doors, windows, and floor beams necessary to upgrade USREDCOM Command Center. Includes communications, dedicated circuits, public address system, ductwork, fire protection, utilities, and necessary support. Additional Air Conditioning: 40 Tons.

11. REQUIREMENT: As required.

PROJECT: Alter United States Readiness Command (USREDCOM) command center.

REQUIREMENT: Adequate space, properly sized and configured, is required to accommodate the new WWMCCS Information System (WIS) computer hardware, USREDCOM Command Operations Center, Green Room, and Special Intelligence (SI) area in the Command Center.

CURRENT SITUATION: The Joint Deployment Agency (JDA) was established in 1978. The computer support required for the JDA was crowded into facilities used for automated support for USREDCOM. The existing automated systems are being integrated and upgraded to provide simultaneous, worldwide support to all readiness users and must be located in adequate properly configured space provided by this project.

IMPACT IF NOT PROVIDED: Without this project USREDCOM and JDA will not be prepared to receive state-of-the-art computer equipment nor integrate those systems into the USCINCRED Command Center. This will hinder implementation of JCS-directed missions supporting worldwide contingency response, and directly degrade command and control of deploying forces.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE ALTER USREDCOM COMMAND CENTER		5. PROJECT NUMBER NVZR873705

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started 85 APR 22
- (b) Percent Complete as of January 1986 50
- (c) Percent Complete as of October 1986 100
- (d) Date Design Complete 86 MAR 03

(2) Basis
- (a) Standard or Definitive Design - Yes No X
- (b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications 175
- (b) All Other Design Costs 20
- (c) Total 195
- (d) Contract 135
- (e) In-house 60

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
MOODY AIR FORCE BASE, GEORGIA

4. COMMAND
TACTICAL AIR COMMAND

5. AREA CONSTR COST INDEX
0.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	393	2,948	443	0	0	0	0	0	12	3,796
b. END FY 19 91	315	2,818	457	0	0	0	0	0	12	3,602

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6,052)	
b. INVENTORY TOTAL AS OF 30 Sept 85	96,258
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,750
f. PLANNED IN NEXT THREE PROGRAM YEARS	23,821
g. REMAINING DEFICIENCY	34,600
h. GRAND TOTAL	160,329

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217-742	AFCC Maintenance Facility	6,000 SF	900	Apr 85	Apr 86

9. Future Projects: (a) Included in Following Program (FY 88):

610-127	Base Civil Enginnering Complex	62,600 SF	4,750

(b) Typical Planned Next Three Years:

130-835	Security Police Operations	10,347 SF	1,800
149-962	Control Tower	1 EA	2,021
214-428	Vehicle Maintenance Facility	28,800 SF	3,100
880-232	Pre Protection	LS	3,000

10. Mission or Major Functions: This base hosts a tactical fighter wing of F-4 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
MOUNTAIN HOME AIR FORCE BASE, IDAHO	TACTICAL AIR COMMAND	1.20

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	448	3,444	463	0	0	0	0	0	3	4,358
b. END FY 19 91	448	3,379	486	0	0	0	0	0	3	4,316

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (9,106)	
b INVENTORY TOTAL AS OF 30 Sept 85	121,666
c AUTHORIZATION NOT YET IN INVENTORY	14,600
d AUTHORIZATION REQUESTED IN THIS PROGRAM	14,760
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,300
f PLANNED IN NEXT THREE PROGRAM YEARS	14,440
g REMAINING DEFICIENCY	7,600
h GRAND TOTAL	179,366

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-193	Sound Suppressor Support	1 EA	700	Feb 85	Feb 86
214-425	Addition to and Alter Vehicle Maintenance Shop	4,000 SF	520	Jan 84	Oct 84
217-762	Navaids/Communication Maintenance Shop	4,500 SF	840	Apr 85	Apr 86
610-200	Combat Support Center	91,000 SF	8,700	Mar 83	Sep 85
721-312	Unaccompanied Enlisted Personnel Housing (OTH-B)	208 PN	4,000	Aug 84	Jan 86
	Total		14,760		

9. Future Projects: (a) Included in Following Program (FY 88):

217-812	Electronic Warfare Maintenance/Administration	6,300 SF	1,250

(b) Typical Planned Next Three Years:

442-769	Housing Supply	9,600 SF	885
610-249	Conversion to Wing Headquarters	50,101 SF	1,500
721-312	Unaccompanied Enlisted Personnel Housing (OTH-B)	288 PN	3,200
820-232	Fire Protection System	LS	2,000

10. Mission or Major Functions: This base hosts a tactical fighter wing of F-111 and EF-111 aircraft and an aerospace rescue and recovery squadron detachment of UH-1 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO	4 PROJECT TITLE COMBAT SUPPORT CENTER

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-200	7 PROJECT NUMBER QYZH863007	8 PROJECT COST ($000) 8,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT SUPPORT CENTER	SF	91,000	71	6,461
SUPPORTING FACILITIES				1,390
UTILITIES	LS			(400)
PAVEMENTS	LS			(305)
SITE IMPROVEMENTS	LS			(270)
COMMUNICATIONS SUPPORT	LS			(415)
SUBTOTAL				7,851
CONTINGENCY (5%)				393
TOTAL CONTRACT COST				8,244
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				453
TOTAL REQUEST				8,697
TOTAL REQUEST (ROUNDED)				8,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Two-story structure with reinforced concrete foundation and floor slab, pre-cast frame, masonry walls, built-up roof, and elevator. Includes utilities and necessary support. Air Conditioning - 200 Tons.

11. REQUIREMENT: 122,100 SF ADEQUATE: 31,100 SF SUBSTANDARD: 130,700 SF

PROJECT: Construct a combat support facility to consolidate functions from 12 dispersed, deteriorated WWII wooden buildings. Project includes administrative space and special purpose space (photo lab, audiovisual, graphic arts, education center classrooms, law center courtrooms, CBPO customer service and testing areas, and forms and publications storage).

REQUIREMENT: Provide a central facility for organizations and functions that provide a service to the military and civilian personnel working on the installation and simplify operating procedures, reduce processing time and improve efficiency.

CURRENT SITUATION: Organizations and functions on this installation which provide services to military personnel, their dependents, retired military personnel and civilian employees are located in 12 widely dispersed facilities. Most of these facilities are wood frame structures over 30 years old. These facilities are generally inadequate in size and configuration and their age and condition make them uneconomical to upgrade, operate and maintain. They are structurally unsound, inefficient and lack adequate electrical, mechanical and fire protection systems. Because of the distance separating most of these functions, it is extremely time consuming and difficult to conduct all necessary business. The construction of a single facility to house all of the primary functions will permit the base to vacate and dispose of

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

MOUNTAIN HOME AIR FORCE BASE, IDAHO

4. PROJECT TITLE COMBAT SUPPORT CENTER	5. PROJECT NUMBER QYZH863007

65,035 SF of WW II buildings, Korean War buildings and old unsightly trailers.

IMPACT IF NOT PROVIDED: Continuance of poor functional arrangement of related base facilities, continued use of substandard facilities which should be disposed of, and excessive utilities and facilities maintenance expenditure.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE COMBAT SUPPORT CENTER		5. PROJECT NUMBER QYZH863007

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	83 MAR 18
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 SEP 06
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	717
	(b) All Other Design Costs	80
	(c) Total	797
	(d) Contract	687
	(e) In-house	110
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING (OTH-B)

5. PROGRAM ELEMENT 1.24.17	6 CATEGORY CODE 721-312	7. PROJECT NUMBER QYZH860025	8. PROJECT COST ($000) 4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (OTH-B) (208 PN)	SF	39,400	71	2,797
SUPPORTING FACILITIES				820
UTILITIES	LS			(370)
PAVEMENTS	LS			(185)
SITE IMPROVEMENTS	LS			(65)
COMMUNICATIONS	LS			(200)
SUBTOTAL				3,617
CONTINGENCY (5%)				181
TOTAL CONTRACT COST				3,798
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				209
TOTAL REQUEST				4,007
TOTAL REQUEST (ROUNDED)				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and slab, masonry walls (fluted block), and built-up roof on concrete deck. Includes utilities and necessary support. Air Conditioning: 62 Tons. Grade mix: 208 E1-E4.

11. REQUIREMENT: 1314 PN ADEQUATE: 962 PN SUBSTANDARD: 625 PN

PROJECT: Construct unaccompanied enlisted personnel housing.

REQUIREMENT: A facility is needed to house unaccompanied enlisted personnel who will be assigned to this location upon activation of the Over the Horizon-Backscatter radar system (West). These facilities must provide sufficient space, environmental comfort, and the degree of privacy necessary for proper rest, relaxation, and well being. Modern, well appointed living quarters will attract and retain competent, skilled airmen who are necessary to sustain the all volunteer force.

CURRENT SITUATION: Many of the assigned unaccompanied airmen are occupying quarters that are inadequate by today's standards. This project will allow for the demolition of a substandard, 30 year old wood frame dormitory. Gang latrines, poor insulation, inadequate lighting and sound attenuation, lack of privacy and insufficient space to properly house the assigned personnel are some of the inadequacies of this facility. This project will provide a dormitory conducive to proper rest and individual well being.

IMPACT IF NOT PROVIDED: Substandard living accommodations will continue to be a major morale problem and contributing factor to low reenlistment.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING (OTH-B)		5. PROJECT NUMBER QYZH860025

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 AUG 24
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JAN 10
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	211
	(b) All Other Design Costs	54
	(c) Total	265
	(d) Contract	190
	(e) In-house	75
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
MYRTLE BEACH AIR FORCE BASE, SOUTH CAROLINA	TACTICAL AIR COMMAND	0.84

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	322	2,961	431	1	22	2	2	0	2	3,743
b. END FY 19 91	348	2,986	442	0	65	1	3	0	2	3,847

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (9,100)	
b. INVENTORY TOTAL AS OF 30 Sept 85	73,037
c. AUTHORIZATION NOT YET IN INVENTORY	340
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	8,900
g. REMAINING DEFICIENCY	24,800
h. GRAND TOTAL	110,077

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-159	Aircraft Corrosion Control Facilities	LS	3,000	Feb 85	Jan 86

9. Future Projects: (a) Included in Following Program (FY 88) None
(b) Typical Planned Next Three Years:

721-312	Alter Unaccompanied Enlisted Personnel Housing	320 PN	3,700
724-417	Visiting Officers Quarters	52 PN	2,550
640-644	Arts and Crafts Center	13,000 SF	1,750
851-147	Construct Parking	24,000 SY	900

10. Mission or Major Functions: This base hosts a tactical fighter wing of A-10 aircraft and an aerospace rescue and recovery detachment of HH-3 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	238
c.	Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION MYRTLE BEACH AIR FORCE BASE, SOUTH CAROLINA	4. PROJECT TITLE AIRCRAFT CORROSION CONTROL FACILITIES

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 211-159	7. PROJECT NUMBER RDRD893007	8. PROJECT COST ($000) 3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT CORROSION CONTROL FACILITIES	LS			1,962
CORROSION CONTROL FACILITY	SF	13,100	90	(1,179)
INDUSTRIAL WASTE TREATMENT	LS			(783)
SUPPORTING FACILITIES				755
SPECIAL FIRE PROTECTION SYSTEMS	LS			(265)
UTILITIES	LS			(165)
PAVEMENTS	LS			(180)
SITE IMPROVEMENTS	LS			(40)
COMMUNICATIONS	LS			(105)
SUBTOTAL				2,717
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,853
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				157
TOTAL REQUEST				3,009
TOTAL REQUEST (ROUNDED)				3,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete floor slab and foundation, pre-engineered metal building to match existing covered washrack. Includes water and oil pollution control system, fire protection, and painting environment control systems. A covered concrete slab washrack with drainage tied into pollution control system. Also includes utilities and necessary support.

11. REQUIREMENT: 20,600 SF ADEQUATE: 7,500 SF SUBSTANDARD: 0

PROJECT: Construction of a corrosion control facility.

REQUIREMENT: Adequate space, properly sized and configured, is required in which fighter aircraft and aerospace ground equipment can be completely enclosed in a controlled temperature work area for cleaning and painting. The facility must meet all technical, safety and health requirements to provide safe and effective aircraft corrosion control.

CURRENT SITUATION: Corrosion control on the assigned A-10 aircraft is presently accomplished in a covered washrack facility. This facility is undersized for A-10 aircraft because it was originally sized and constructed for the smaller A-7 aircraft. Corrosion control operations for the A-10 are restricted because of lack of clearance around the aircraft. A proper environment cannot be maintained because the hangar doors cannot be totally closed and the facility does not have adequate ventilation, heating and/or humidity control systems. A fire protection sprinkler system does not exist in the present facility. The electrical and lighting systems do not meet National Electric Codes for a corrosion control facility. These hazards restrict the corrosion control program.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MYRTLE BEACH AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE AIRCRAFT CORROSION CONTROL FACILITIES		5. PROJECT NUMBER DRD893007

This creates a maintenance backlog, directly affecting the flying mission.

IMPACT IF NOT PROVIDED: The use of the existing hangar for aircraft corrosion control will continue to present health, fire and safety hazards.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MYRTLE BEACH AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE AIRCRAFT CORROSION CONTROL FACILITIES		5. PROJECT NUMBER RDRD893007

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 FEB 15
	(b) Percent Complete as of January 1986	60
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JAN 22
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	199
	(b) All Other Design Costs	37
	(c) Total	236
	(d) Contract	219
	(e) In-house	17
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT		2. DATE
AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NELLIS AIR FORCE BASE, NEVADA	TACTICAL AIR COMMAND	1.13

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,166	8,960	995	100	0	0	0	0	8	11,229
b. END FY 19 91	1,240	9,207	1016	100	0	0	0	0	8	

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (22,039)	
b. INVENTORY TOTAL AS OF 30 Sept 85	205,967
c. AUTHORIZATION NOT YET IN INVENTORY	4,850
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	23,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,390
f. PLANNED IN NEXT THREE PROGRAM YEARS	129,,363
g. REMAINING DEFICIENCY	65,463
h. GRAND TOTAL	449,833

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
112-211	Parallel Taxiway/Land Acquisition	LS	7,300	Jul 83	Feb 86
219-944	Base Engineering Complex Phase I	54,800 SF	7,700	Apr 85	Sep 86
610-200	Combat Support Center	56,000 SF	6,200	Aug 84	Apr 86
722-351	Dining Hall	10,700 SF	2,600	Feb 85	Jul 86
	Total		23,800		

9. Future Projects: (a) Included in Following Program (FY 88):

113-321	Munitions Loading and Revetments	LS	2,333
149-962	Control Tower	1 EA	759
211-179	Alter Fuel System Maintenance	LS	5,500
219-944	Base Engineering Complex, Phase II	48,900 SF	4,400
442-758	Addition to and Alter Supply Complex	142,000 SF	7,400
	Total		20,392

10. Mission and Major Functions: This base hosts the USAF Tactical Fighter Weapons Center; a tactical fighter wing of F-16 aircraft; and a fighter weapons wing of F-4, F-5, F-15, F-16 and A-10 aircraft. It also hosts a TAC fighter training group (RED FLAG).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. PROJECT TITLE PARALLEL TAXIWAY/ LAND ACQUISITION

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 112-221	7. PROJECT NUMBER RKMF853009	8. PROJECT COST ($000) 7,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PARALLEL TAXIWAY/LAND ACQUISTION	LS			5,283
PARALLEL TAXIWAY	SY	45,000	62	(2,790)
ASPHALT/CONCRETE SHOULDERS	SY	31,000	23	(713)
LAND PURCHASE	AC	165	10,790	(1,780)
SUPPORTING FACILITIES				1,320
UTILITIES	LS			(540)
PAVEMENTS	LS			(415)
SITE IMPROVEMENTS	LS			(365)
SUBTOTAL				6,603
CONTINGENCY (5%)				330
TOTAL CONTRACT COST				6,933
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				381
TOTAL REQUEST				7,314
TOTAL REQUEST (ROUNDED)				7,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Portland cement concrete taxiway; site preparation to include fill and drainage structures; taxiway lighting; 50 ft wide taxiway shoulders; asphalt access road & security fence. Land acquisition. Utilities and other support.

11. REQUIREMENT: 325,000 SY ADEQUATE: 280,000 SY SUBSTANDARD: 0

PROJECT: Construct parallel taxiway and procure land.

REQUIREMENT: A second taxiway system with supporting land acquisition is needed to minimize disruption to launch and recovery operations as well as eliminate unnecessary exposure of maintenance personnel and parked aircraft to live ordnance hazards. This taxiway will provide the capability to simultaneously launch and recover aircraft from both runways without the need for aircraft to taxi on one of the runways or across the midpoints of both runways.

CURRENT SITUATION: During peak training periods, most live ordnance loading is performed on the east side of Nellis AFB to minimize the danger of frequent exposure of maintenance personnel and millions of dollars of parked aircraft (frequently in excess of 300 fighter aircraft) to potential munitions mishaps. Taxiing along the length of east side, with fully loaded aircraft, needlessly exposes maintenance personnel/facilities and parked aircraft to extreme danger from live ordnance. Currently there is insufficient land available for construction of the second taxiway system.

IMPACT IF NOT PROVIDED: Launch and recovery operations will continue to be disrupted. Maintenance personnel/facilities and parked aircraft will continue to be subjected to the hazards of explosive munitions.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE PARALLEL TAXIWAY/LAND ACQUISITION		5. PROJECT NUMBER RKMF853009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)		Status:	
	(a)	Date Design Started	83 JUL 11
	(b)	Percent Complete as of January 1986	95
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 FEB 10
(2)		Basis	
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)		Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a)	Production of Plans and Specifications	168
	(b)	All Other Design Costs	435
	(c)	Total	603
	(d)	Contract	505
	(e)	In-house	98
(4)		Construction start	87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. PROJECT TITLE BASE ENGINEERING COMPLEX PHASE I

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 219-944	7. PROJECT NUMBER RKMF883002	8. PROJECT COST ($000) 7,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE ENGINEERING COMPLEX - PHASE I	LS			3,625
MAINTENANCE SHOPS	SF	32,300	74	(2,390)
CONSOLIDATED STORAGE	SF	24,000	40	(960)
ENTOMOLOGY FACILITY	SF	2,500	110	(275)
SUPPORTING FACILITIES				3,330
SITE IMPROVEMENTS	LS			(140)
UTILITIES	LS			(390)
PAVEMENTS	LS			(940)
DEMOLISH BUILDINGS & PAVEMENTS	LS			(770)
COMMUNICATIONS SUPPORT	LS			(345)
ELECTRICAL DISTRIBUTION-SECURITY LIGHTING	LS			(430)
RELOCATE FACILITIES	LS			(315)
SUBTOTAL				6,955
CONTINGENCY (5%)				348
TOTAL CONTRACT COST				7,303
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				401
TOTAL REQUEST				7,704
TOTAL REQUEST (ROUNDED)				7,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Facilities with reinforced concrete foundations, floor slabs, and masonry walls. Includes roads, parking, utilities, and support. This is Phase one of a two phase project to construct a Base Engineering Complex. Air conditioning - 6.3 tons.

11. REQUIREMENT: 126,000 SF ADEQUATE: 18,300 SF SUBSTANDARD: 129,000 SF

PROJECT: Construct replacement facilities for base engineering pavements/grounds, maintenance, entomology, and storage functions.

REQUIREMENT: Adequate base engineer facilities are required to maintain, operate and construct facilities, pavements and utility systems in support of the base mission.

CURRENT SITUATION: The base engineering facilities functions are scattered in thirteen deteriorated facilities that are not suitable for their current use and not suitable for upgrade. The pavement and ground shop, all maintenance shops, and all administrative offices are currently housed in deteriorated, wooden World War II buildings. The carpentry, painting, plumbing, and electrical shops have old substandard wiring, are overcrowded, do not meet health and safety standards, and constitute an extremely serious fire hazard. The physical layout of all the various shops and offices prevents proper coordination within the organization. There are insufficient covered storage facilities to adequately handle the volume of material and equipment ordered by Civil Engineering for its operations. Thirteen wooden buildings will be demolished at the completion of the project.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE BASE ENGINEERING COMPLEX - PHASE I		5. PROJECT NUMBER RKMF883002

IMPACT IF NOT PROVIDED: Base Civil Engineering will continue to operate in substandard World War II buildings. Personnel will continue to work in crowded shops and office facilities that do not meet health and safety standards.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE BASE ENGINEERING COMPLEX PHASE I		5. PROJECT NUMBER RKMF883002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 APR 23
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	71
(b)	All Other Design Costs	319
(c)	Total	390
(d)	Contract	269
(e)	In-house	121

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. PROJECT TITLE COMBAT SUPPORT CENTER

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.75.96	610-200	RKMF863048	6,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT SUPPORT CENTER	SF	56,000	75	4,200
SUPPORTING FACILITIES				1,355
COMMUNICATIONS SUPPORT	LS			(170)
UTILITIES	LS			(640)
PAVEMENTS	LS			(330)
SITE IMPROVEMENTS	LS			(165)
DEMOLITION	LS			(50)
SUBTOTAL				5,555
CONTINGENCY (5%)				278
TOTAL CONTRACT COST				5,833
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				321
TOTAL REQUEST				6,154
TOTAL REQUEST (ROUNDED)				6,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, steel frame with masonry walls, built-up roof, and elevator. Includes utilities and necessary support. Air conditioning - 175 tons.

11. REQUIREMENT: 56,000 SF ADEQUATE: 0 SUBSTANDARD: 54,200 SF

PROJECT: Construct a combat support center to provide an administrative facility to house 11 separate but related base functions.

REQUIREMENTS: Provide a central facility for organizations and functions that provide a service to the military and civilian personnel working on the installation and simplify operating procedures, reduce processing time and improve efficiency.

CURRENT SITUATION: The organizations and functions on this installation that provide services to the military personnel, their dependents, retired military personnel and civilian employees are located in 10 widely dispersed facilities, 7 of which are wood frame structures that are over 40 years old. These facilities are generally inadequate in size and configuration and their age and condition makes them uneconomical to upgrade, operate and maintain. They are structurally unsound, energy inefficient and lack adequate electrical, mechanical and fire protection systems. The construction of a single facility to house all of the primary functions that support the personnel using this installation will permit the base to vacate and dispose of seven WW II building and one temporary trailer.

IMPACT IF NOT PROVIDED: Continuance of poor functional arrangement of related base facilities, continued use of seven substandard buildings which should be disposed of, and excessive utilities and facilities maintenance expenditures.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE COMBAT SUPPORT CENTER		5. PROJECT NUMBER RKMF863048

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		84 AUG 20
(b) Percent Complete as of January 1986		80
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 APR 30
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		418
(b) All Other Design Costs		46
(c) Total		464
(d) Contract		381
(e) In-house		83
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4 PROJECT TITLE DINING HALL

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 722-351	7 PROJECT NUMBER RKMP873024	8 PROJECT COST ($000) 2,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DINING HALL	SF	10,700	145	1,551
SUPPORTING FACILITIES				815
UTILITIES	LS			(245)
PAVEMENTS	LS			(130)
SITE IMPROVEMENTS	LS			(265)
REAL PROPERTY INSTALLED EQUIPMENT	S			(50)
COMMUNICATIONS SUPPORT	LS			(125)
SUBTOTAL				2,366
CONTINGENCY (5%)				118
TOTAL CONTRACT COST				2,484
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				137
TOTAL REQUEST				2,621
TOTAL REQUEST (ROUNDED)				2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, steel roof joists, and built-up roof. Includes all utilities and necessary support. Air Conditioning - 60 Tons

11. REQUIREMENT: 23,700 SF/1,112 PN ADEQUATE: 13,000 SF/612 PN SUBSTANDARD: 32,000 SF/756 PN

PROJECT: Construct an airmen dining hall.

REQUIREMENT: An adequate dining hall readily accessible from the working areas of the military personnel, configured and equipped to currently accepted standards of food preparation and service, is essential to provide satisfactory dining conditions.

CURRENT SITUATION: The present dining hall, located in Area II, is a 31 year old wood frame facility which is beyond economic repair and is not configured to current dining hall standards. Utilization has increased with the assignment of more personnel to Area II. Personnel are forced to dine in a substandard environment. Area II is some 13 miles round trip from the main base dining hall.

IMPACT IF NOT PROVIDED: Failure to provide an adequate dining facility for personnel assigned to Lake Mead activities will adversely impact productivity, food service, troop morale, and retention.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE DINING HALL		5. PROJECT NUMBER RKMF873024

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 25
(b)	Percent Complete as of January 1986	55
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 07

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - 84

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	144
(b)	All Other Design Costs	129
(c)	Total	273
(d)	Contract	212
(e)	In-house	61

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SEYMOUR-JOHNSON AIR FORCE BASE, NORTH CAROLINA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 0.77

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	520	3,901	482	0	24	0	0	0	5	4,932
b. END FY 19 91	550	3,888	513	0	24	0	0	0	5	4,980

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (4,234)	
b. INVENTORY TOTAL AS OF 30 Sept 85	140,250
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,760
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,930
f. PLANNED IN NEXT THREE PROGRAM YEARS	26,800
g. REMAINING DEFICIENCY	6,340
h. GRAND TOTAL	179,080

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-193	Sound Suppressor Support	1 EA	660	Jan 85	Dec 85
442-758	Aircraft Maintenance Supply Warehouse	LS	2,100	Jul 85	May 86
	Total		2,760		

9. Future Projects: (a) Included in Following Program (FY 88):

211-159	Aircraft Corrosion Contol	16,700 SF	1,800
211-183	Sound Suppressor	1 EA	700
610-249	Wing Readiness Center	6,000 SF	430
	Total		2,930

(b) Typical Planned Next Three Years:

136-667	Taxiway Lighting	LS	630
510-001	Medical Life Safety Critical	LS	3,800

10. Mission or Major Functions: This base hosts a tactical fighter wing of F-4 aircraft, an air refueling squadron of KC-135 aircraft, and a fighter interceptor detachment.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA	4 PROJECT TITLE AIRCRAFT MAINTENANCE SUPPLY WAREHOUSE

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 442-758	7 PROJECT NUMBER VKPG863027	8 PROJECT COST ($000) 2,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE SUPPLY WAREHOUSE	LS			937
AIRCRAFT MAINTENANCE WAREHOUSE	SF	22,500	30	(675)
ADMINISTRATIVE FACILITIES	SF	4,950	53	(262)
SUPPORTING FACILITIES				970
SPECIAL FIRE PROTECTION SYSTEMS	LS			(90)
UTILITIES	LS			(145)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(335)
COMMUNICATIONS SUPPORT	LS			(130)
CONCRETE PAVEMENT	LS			(230)
SUBTOTAL				1,907
CONTINGENCY (5%)				95
TOTAL CONTRACT COST				2,002
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				110
TOTAL REQUEST				2,112
TOTAL REQUEST (ROUNDED)				2,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Pre-engineered steel frame structure with concrete foundation and floor slab, metal roof and interior partitions. Includes parking area, utilities, and necessary support. Air Conditioning: 15 Tons.

11. REQUIREMENT: 199,770 SF ADEQUATE: 155,240 SF SUBSTANDARD: 4,800 SF

PROJECT: Construct an aircraft maintenance supply warehouse for the aircraft generation squadron (AGS) parts store function.

REQUIREMENT: Aircraft maintenance supply warehouse is required near the flightline for the AGS parts store to issue aircraft parts for flightline maintenance in support of the combat oriented supply organization (COSO) concept.

CURRENT SITUATION: Aircraft maintenance supply is crowded into existing base supply and equipment warehouses. This severely overcrowds available storage hindering efficient inventory control. New square footage is required to properly store and protect critical assets. Additionally, these existing facilities are not located on the flightline where this function is needed to support the COSO concept. There are no existing facilities on Seymour Johnson to accommodate the aircraft maintenance supply warehouse. This project completes a program begun in FY 79 to replace 324,800 SF of World War II hangar space.

IMPACT IF NOT PROVIDED: The aircraft maintenance supply function will be forced to remain in overcrowded warehouses which are not located on the flightline near the COSOs.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SEYMOUR-JOHNSON AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE SUPPLY WAREHOUSE		5. PROJECT NUMBER VKPG863027

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUL 01
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 21
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	286
	(b) All Other Design Costs	82
	(c) Total	368
	(d) Contract	268
	(e) In-house	100
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION
SHAW AIR FORCE BASE, SOUTH CAROLINA

4. COMMAND
TACTICAL AIR COMMAND

5. AREA CONSTR COST INDEX
0.82

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	968	5,171	552	3	35	3	0	19	1	6752
b. END FY 19 91	978	5,192	568	3	35	3	1	19	1	6800

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,405)	
b. INVENTORY TOTAL AS OF 30 Sept 85	122,092
c. AUTHORIZATION NOT YET IN INVENTORY	8,910
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,400
f. PLANNED IN NEXT THREE PROGRAM YEARS	16,940
g. REMAINING DEFICIENCY	50,710
h. GRAND TOTAL	206,052

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610-129	Add to and Alter Weapons System Maintenance Management Facility	LS	1,150*	Jan 84	Mar 85
610-285	Addition to and Alter 9th AF Headquarters	LS	3,700	Mar 85	Feb 86
	Total Appropriation Request		4,850		
	Total Authorization Request		3,700		
	Carry-over Authorization in FY 86		1,150*		

9. Future Projects: (a) Included in Following Program (FY 88):

130-142	Fire Station	16,900 SF	1,900
610-129	Aircraft Maintenance and Management	22,400 SF	1,600
721-312	Alter Unaccompanied Enlisted Personnel Housing	408 PN	3,900
	Total		7,400

(b) Typical Planned Next Three Years:

442-758	Addition to Warehouse	24,500 SF	1,500
911-146	Land Acquisition - Gunnery	8,038 AC	3,600

10. Mission or Major Functions: This base hosts a numbered Air Force headquarters, a tactical fighter wing of F-16s and RF-4Cs, a tactical air control wing with CH-3 and O-2 aircraft and a military airlift squadron detachment with T-39 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA	4. PROJECT TITLE ADD TO AND ALTER WEAPONS SYSTEM MAINTENANCE MANAGEMENT FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-129	7. PROJECT NUMBER VLSB873005	8. PROJECT COST ($000) 1,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER WEAPONS SYSTEM MAINTENANCE MANAGEMENT FACILITY	LS			814
ADDITION	LS	14,600	53	(774)
ALTERATION				(40)
SUPPORTING FACILITIES				225
DEMOLITION	LS			(30)
UTILITIES	LS			(75)
RETAINING WALL	LS			(100)
PAVEMENT	LS			(20)
SUBTOTAL				1,039
CONTINGENCY (5%)				52
TOTAL CONTRACT COST				1,091
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				60
TOTAL REQUEST				1,151
TOTAL REQUEST (ROUNDED)				1,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation with floor slab, masonry walls, steel bar joist roof structure with built up roof system and metal partitions for administrative space. Includes administrative space, classrooms, debriefing space, storage, latrines, additional support space and utilities. Air Conditioning: 31 Tons.

11. REQUIREMENT: 24,600 SF ADEQUATE: 0 SUBSTANDARD: 12,400 SF

PROJECT: Add to and alter a Weapons System Maintenance Management Facility.

REQUIREMENT: An adequate, centrally located facility is required for aircraft maintenance management and control functions, maintenance production activities, and maintenance control management training and testing. Space is required for the Chief of Maintenance; plans, scheduling, and documentation; records and analysis; material control; job control; and maintenance training.

CURRENT SITUATION: Chief of Maintenance management and control functions are fragmented in two widely separated facilities that have only half the space required for this vital management function. The separation increases the command and control problems, decreases the organization's efficiency and degrades maintenance control and scheduling. The smaller of the two existing buildings will be converted for use by Disaster Preparedness and the WWII wooden facility Disaster Preparedness currently occupies will be demolished.

IMPACT IF NOT PROVIDED: Direction and control of the overall aircraft maintenance will continue to be degraded due to overcrowded, separated facilities.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE ADD TO AND ALTER WEAPONS SYSTEM MAINTENANCE MANAGEMENT FACILITY		5. PROJECT NUMBER VLSB873005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 JAN 18
	(b) Percent Complete as of January 1986	95
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 MAR 03
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	65
	(b) All Other Design Costs	19
	(c) Total	84
	(d) Contract	71
	(e) In-house	13
(4)	Construction start	86 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA	4. PROJECT TITLE ADD TO AND ALTER 9TH AIR FORCE HEADQUARTERS

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 610-285	7. PROJECT NUMBER VLSB873001	8. PROJECT COST ($000) 3,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER 9TH AF HEADQUARTERS	LS			2,678
ADDITION	SF	42,300	56	(2,368)
ALTERATION	LS			(310)
SUPPORTING FACILITIES				650
UTILITIES	LS			(395)
PAVEMENTS	LS			(90)
SITE IMPROVEMENTS	LS			(25)
COMMUNICATIONS SUPPORT	LS			(140)
SUBTOTAL				3,328
CONTINGENCY (5%)				166
TOTAL CONTRACT COST				3,494
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				192
TOTAL REQUEST				3,686
TOTAL REQUEST (ROUNDED)				3,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION Addition includes concrete foundation, exterior masonry bearing walls, interior steel frame, bar joist concrete slab floors and built-up roof. Alterations include modifications to existing air conditioning system and renovations to existing building exterior to match the new addition. Air Conditioning - 125 Tons.

11. REQUIREMENT: 78,100 SF ADEQUATE: 35,800 SF SUBSTANDARD: 23,120 SF

PROJECT: Construct an addition to and alter Ninth AF Headquarters.

REQUIREMENT: This project is required to provide a single permanent working area for all personnel assigned to Ninth AF Headquarters.

CURRENT SITUATION: Existing main Ninth AF Headquarters building is fully utilized. Several staff elements are housed in five scattered substandard buildings, one trailer unit and three adequate facilities. Geographical separation lengthens coordination effort and time and hampers command control. This project centralizes administrative functions of the base and makes space available for community and recreation facilities. Seven buildings will be demolished when this project is completed.

IMPACT IF NOT PROVIDED: Ninth AF Headquarters and USCENTAF mission will continue to be performed in nine separate facilities. Expansion of the community center cannot be accomplished, nor will relocation of certain functions from dispersed substandard facilities occur.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE ADD TO AND ALTER 9TH AIR FORCE HEADQUARTERS		5. PROJECT NUMBER VLSB873001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 13
	(b) Percent Complete as of January 1986	95
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 FEB 27
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	194
	(b) All Other Design Costs	52
	(c) Total	246
	(d) Contract	221
	(e) In-house	25
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE -
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 0.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	816	3,542	1,030	182	153	0	7	2	43	5,775
b. END FY 19 91	768	3,651	976	200	147	0	7	2	43	5,794

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (28,948)	
b. INVENTORY TOTAL AS OF 30 Sept 85	162,068
c. AUTHORIZATION NOT YET IN INVENTORY	6,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	20,358
g. REMAINING DEFICIENCY	29,368
h. GRAND TOTAL	222,394

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-152	Consolidated Training Facility	14,100 SF	1,500*	Jul 84	Nov 85
800-000	Energy Conservation Improvement Program	LS	600	May 83	Mar 84
	Total Appropriation Request		2,100		
	Total Authorization Request		600		
	Carry-over Authorization in FY 86		1,500*		

9. Future Projects: (a) Included in Following Program (FY 88):

211-157	Addition to and Alter Engine Shop	15,000 SF	1,150
442-515	WRM Storage	LS	650
	Total		1,800

(b) Typical Planned Next Three Years:

130-835	Security Police Operations	LS	2,000
211-154	Airfield Operations Center	22,000 SF	2,360
911-142	Flight Hazard Romoval	LS	1,000

10. Mission and Major Functions: This base hosts F-15 and T-33 aircraft, an aerospace rescue and recovery detachment with CH-3 aircraft, and the Air Force Engineering and Services Center.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA	4. PROJECT TITLE CONSOLIDATED TRAINING FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 171-152	7. PROJECT NUMBER XLWU873006	8. PROJECT COST ($000) 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED TRAINING FACILITY	SF	14,100	70	987
SUPPORTING FACILITIES				380
RELOCATION/DEMOLITION	LS			(180)
UTILITIES	LS			(90)
PAVEMENTS	LS			(90)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				1,367
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,435
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				79
TOTAL REQUEST				1,514
TOTAL REQUEST (ROUNDED)				1,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete slab/foundation, a steel frame building having masonry walls and a pitched roof. This facility includes lecture/training rooms for the Technical Training Squadrons (TTS). Work to include latrines, mechanical equipment, pavements, lighting and utilities. Air Conditioning: 75 Tons.

11. REQUIREMENT: 34,100 SF ADEQUATE: 20,000 SF SUBSTANDARD: 11,900 SF

PROJECT: Construct a Consolidated Training facility.

REQUIREMENT: A consolidated training facility is required to satisfy the classroom instructional needs for the 325 Tactical Fighter Training Squadron, the 1 Tactical Fighter Training Squadron, the 2 Tactical Fighter Training Squadron, the 325 Weapons Controller Squadron and the 4702 Computer Services Squadron. Space is required for seminar and lecture rooms, instructor and administrative offices and a learning center.

CURRENT SITUATION: Training facilities for these squadrons are scattered in three World War II buildings. These facilities are generally inadequate in size and configuration and their age and condition makes them uneconomical to upgrade, operate and maintain. They are structurally unsound, energy inefficient and lack adequate electrical, mechanical and fire protection systems. A single facility would replace existing training space and correct deficiencies in these and other base organizations. Three WW II buildings (11,900 SF) will be demolished upon completion of this project and two WW II buildings (13,250 SF) in the way of construction will also be demolished.

IMPACT IF NOT PROVIDED: The training squadron will continue to operate and maintain high resource consuming, substandard facilities.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE CONSOLIDATED TRAINING FACILITY		5. PROJECT NUMBER XLWU873006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 JUL 27
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 NOV 27

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	236
(b)	All Other Design Costs	0
(c)	Total	236
(d)	Contract	169
(e)	In-house	67

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION WEST CONUS, VARIOUS LOCATIONS	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 1.20

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE ( )	
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812-223	OTH-B Radar Transmitter Standby Power Line	LS	18,000	N/A	N/A
872-247	OTH-B Radar Transmitter and Receiver Support Facilities	LS	2,800	Mar 85	Nov 86
	Total		20,800		

9. Future Projects: None

10. Mission or Major Functions: Buffalo Flat: Over-the-Horizon Back Scatter Radar Systems transmitter site. Rim Rock Lake: Over-the-Horizon Back Scatter Radar System receiver site.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WEST CONUS, VARIOUS LOCATIONS	4. PROJECT TITLE OTH-B RADAR TRANSMITTER STANDBY POWER LINE

5 PROGRAM ELEMENT 1.24.17	6 CATEGORY CODE 812-223	7 PROJECT NUMBER ESDS870015	8 PROJECT COST ($000) 18,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OTH-B RADAR TRANSMITTER STANDBY				
POWER LINE	LS			16,249
PRIMARY OVERHEAD DISTRIBUTION LINE	MI	175,680	72	(12,649)
MODIFY SUBSTATIONS	EA	3	1.2M	(3,600)
SUBTOTAL				16,249
CONTINGENCY (5%)				812
TOTAL CONTRACT COST				17,061
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				938
TOTAL REQUEST				17,999
TOTAL REQUEST (ROUNDED)				18,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Design and construct 74 miles of overhead transmission line on "H" frame poles, upgrade three electrical substations, provide sectionalized switches, necessary easements and all neccessary support. This project will be negotiated as a design/construct contract.

11. REQUIREMENT: As required.

PROJECT: Construct a standby power line to support the Over-the-Horizon Backscatter (OTH-B) radar system at Buffalo Flats, Oregon.

REQUIREMENT: The OTH-B radar system is required for detection, tracking and identification of bombers and air-to-surface missiles approaching the Continental United States (CONUS). A standby power line is required to insure continuous operation of transmitter facilities for three West CONUS radar sectors.

CURRENT SITUATION: The West CONUS OTH-B Buffalo Flats site will be totally dependent upon a single electrical power source. This source averages 47 power outages per year which will significantly jeopardize system reliability. This jeopardizes the ability of the OTH-B radar system to continue surveillance of the West CONUS.

IMPACT IF NOT PROVIDED: Failure to tie the West CONUS site into an independent backup power source will greatly degrade the critical defense mission of OTH-B.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WEST CONUS, VARIOUS LOCATIONS		
4. PROJECT TITLE OTH-B RADAR TRANSMITTER STANDBY POWER LINE		5. PROJECT NUMBER ESDS870015

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	
	(b) Percent Complete as of January 1986	0
	(c) Percent Complete as of October 1986	0
	(d) Date Design Complete	
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	0
	(b) All Other Design Costs	0
	(c) Total	0
	(d) Contract	0
	(e) In-house	0
(4)	Construction start	

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WEST CONUS VARIOUS LOCATIONS	4. PROJECT TITLE OTH-B RADAR TRANSMITTER AND RECEIVER SUPPORT FACILITIES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1.24.17	872-247	ESDS860008	2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OTH-B TRANSMITTER AND RECEIVER SUPPORT FACILITIES	LS			2,552
TRANSMITTER SITES - BUFFALO FLAT, OR				
SECURITY FENCE	LF	62,500	14	(875)
SECURITY ROAD	LF	96,500	7	(675)
RECEIVER SITES - RIM ROCK LAKE, CA				
SECURITY FENCE	LF	39,600	14	(554)
SECURITY ROAD	LF	56,000	8	(448)
SUBTOTAL				2,552
CONTINGENCY (5%)				128
TOTAL CONTRACT COST				2,680
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				147
TOTAL REQUEST				2,827
TOTAL REQUEST (ROUNDED)				2,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct non-metallic security/safety fences and all-weather (gravel) security roads at Buffalo Flats, OR, transmitter sites and at Rim Rock Lake, CA, receiver sites.

11. REQUIREMENT: As Required.

PROJECT: Construct security/safety fences and roads at the Over-the-Horizon Back Scatter (OTH-B) Radar System Transmitter and Receiver Site.

REQUIREMENT: Security fencing and roads to provide security and access to transmitter and receiver sites. The OTH-B radar system is required for detection, tracking and identification of a bomber and air-to-surface missile attack on the Continental United States (CONUS). This system will provide surveillance over three sectors in the Western CONUS.

CURRENT SITUATION: There is no warning system in the CONUS that provides sufficient coverage and range for early detection of bomber or air-to-surface missile attacks. The OTH-B radar system has been proven feasible and development for the initial system for the East Coast began in FY 83. Acquisition of the radar for the West Coast is scheduled for FY 86. Security fencing and access radar will be required to support the radar transmitters and receivers at these West Coast sites.

IMPACT IF NOT PROVIDED: The OTH-B radar system will not have adequate security protection and access without the fences and roads. Without appropriate safety and security measures, this radar system will not be operational to meet the requirements of a combat support system.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WEST CONUS, VARIOUS LOCATIONS		
4. PROJECT TITLE OTH-B RADAR TRANSMITTER AND RECEIVER SUPPORT FACILITIES		5. PROJECT NUMBER ESDS860008

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 12
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	90
	(d) Date Design Complete	86 NOV 21
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	42
	(b) All Other Design Costs.	126
	(c) Total	168
	(d) Contract	72
	(e) In-house	96
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
AIR FORCE ACADEMY				
AIR FORCE ACADEMY, CO				644
ADD TO AND ALTER SECURITY POLICE FACILITY	600	600	35	1082
ADD TO AND ALTER CADET GYMNASIUM	0	7,400	80	645
ADD TO AND ALTER BASE CIVIL ENGINEERING FACILITIES	990	990	35	1081
ALTER ELECTRICAL DISTRIBUTION SYSTEM	4,000	4,000	75	647
LAND ACQUISITION	230	230	35	1082
BASE SUBTOTAL:	5,820	13,220		
COMMAND TOTAL:	5,820	13,220		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO	4. COMMAND UNITED STATES AIR FORCE ACADEMY	5. AREA CONSTR COST INDEX 0.94

6. PERSONNEL STRENGTH.	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,140	1,373	1,713	171	4617	0	21	0	190	9,225
b. END FY 19 91	1 160	1,408	1,701	171	4617	0	21	0	190	9,268

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (19,142)	
b. INVENTORY TOTAL AS OF 30 Sept 85	251,497
c. AUTHORIZATION NOT YET IN INVENTORY	17,810
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	13,220
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,705
f. PLANNED IN NEXT THREE PROGRAM YEARS	98,250
g. REMAINING DEFICIENCY	69,600
h. GRAND TOTAL	470,082

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
130-835	Add to and Alter Security Police Facility	6,700 SF	600	Jan 85	Feb 86
171-157	Add to and Alter Cadet Gymnasium	73,000 SF	7,400*	Apr 85	Mar 86
610-127	Add to and Alter Base Civil Engineering Facilities	18,100 SF	990	Mar 85	Aug 86
812-225	Alter Electrical Distribution System	LS	4,000	Feb 85	Apr 86
911-146	Land Acquisition	128 AC	230	N/A	
	Total Appropriation Request		13,220		
	Total Authorization Request		5,820		
	Carry-over Authorizaion in FY 86		7,400*		

9. Future Projects: (a) Included in Following Program (FY 88):

111-111	Auxiliary Airfield	29,000 SY	1,100
130-142	Fire Station	6,300 SF	850
721-312	Unaccompainied Enlisted Personnel Housing	264 PN	3,750
740-674	Add to Alter Community Center Gym	15,800 SF	1,645
740-681	Add to and Alter Cadet Recreation Facility	84,000 SF	9,500
800-000	Energy Conservation	LS	2,860
	Total		19,705

10. Mission or Major Functions: Air Force Academy Headquarters and training facility for Air Force Cadets; with a flying training unit of T-41 trainer aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION USAF ACADEMY, COLORADO	4. PROJECT TITLE ADD TO AND ALTER CADET GYMNASIUM

5. PROGRAM ELEMENT 8.47.21	6. CATEGORY CODE 171-157	7. PROJECT NUMBER XQPZ820189	8. PROJECT COST ($000) 7,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER CADET GYMNASIUM	SF	73,000		6,109
ADDITION	SF	(62,500)	87	(5,437)
ALTERATION	SF	(10,500)	64	(672)
SUPPORTING FACILITIES				540
UTILITIES	LS			(110)
PAVEMENTS	LS			(130)
SITE IMPROVEMENTS	LS			(300)
SUBTOTAL				6,649
CONTINGENCY (5%)				332
TOTAL CONTRACT COST				6,981
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				384
TOTAL REQUEST				7,365
TOTAL REQUEST (ROUNDED)				7,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor, structural frame, walls, roof system, utilities and necessary support. Includes multi-purpose area with spectator seating, lock and storage areas, administrative and other support areas.

11. REQUIREMENT: 427,300 SF ADEQUATE: 354,300 SF SUBSTANDARD: 10,500 SF

PROJECT: Add to and alter the existing cadet gymnasium to meet the physical conditioning needs of both male and female cadets.

REQUIREMENT: A functional and adequately sized gymnasium is an essential feature of the living and study environment of the cadets at the Air Force Academy. Physical well-being and good morale, resulting in part from facilities providing for exercise and team and individual sports are essential to the development and retention of cadet personnel.

CURRENT SITUATION: Presently, gymnasium activities for the cadets are conducted in a facility that only provides about 80 percent of the total space required to adequately support the various phases of the athletic program for over 4,000 cadets. Both female and male locker facilities are too small; indoor court areas are extremely limited; and supporting office and equipment maintenance is overcrowded with poor ventilation. In addition, the lack of storage space for equipment to support physical education, intramural and intercollegiate programs is a serious problem. This project will provide the necessary alterations and additional space to correct these deficiencies.

IMPACT IF NOT PROVIDED: Benefits from the physical conditioning programs will continue to be limited due to the undersized facility available for the cadets.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION USAF ACADEMY, COLORADO		
4. PROJECT TITLE ADD TO AND ALTER CADET GYMNASIUM		5. PROJECT NUMBER XQPZ820189

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 15
	(b) Percent Complete as of January 1986	80
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAR 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	548
	(b) All Other Design Costs	0
	(c) Total	548
	(d) Contract	438
	(e) In-house	110
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1981 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION USAF ACADEMY, COLORADO	4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8.58.96	812-225	XQPZ680034	4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER ELECTRICAL DISTRIBUTION SYSTEM	LS			3,300
SUPPORTING FACILITIES				165
UTILITIES	LS			(10)
PAVEMENTS	LS			(5)
SITE IMPROVEMENTS	LS			(150)
SUBTOTAL				3,465
CONTINGENCY (10%)				347
TOTAL CONTRACT COST				3,812
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				210
TOTAL REQUEST				4,022
TOTAL REQUEST (ROUNDED)				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Expand west substation by adding a 7,500 KVA transformer, replacing and upgrading primary feeder distribution, converting the existing radial primary service to a loop with sectioned switching provisions and providing new feeder service.

11. REQUIREMENT: As required.

PROJECT: Alter the existing electrical distribution system.

REQUIREMENT: An electrical distribution system, with sufficient capacity and with switching capability for peak load demands, is required to provide adequate power to each facility. Increasing power demands have generated a need for an upgraded electrical distribution system to accommodate the current and projected load. The system must be capable of loop service to minimize impacts of unscheduled power outages.

CURRENT SITUATION: The existing electrical distribution system is currently being operated with only limited capability to transfer loads at peak times or under power outage conditions. Feeder lines are over 25 years old and are experiencing numerous outages. The projected growth in power demands will expand the system load to a potentially dangerous overload condition and line failures could cause prolonged outages. This project will provide the necessary modifications to upgrade the existing feeder lines, provide circuit looping and additional feeders and transformers to reliably accommodate both the current and future loads.

IMPACT IF NOT PROVIDED: Continued operation under the present conditions, without increased capacity, could lead to a failure in one or more feeders which will have a serious adverse effect on the Academy's academic mission.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

USAF ACADEMY, COLORADO

4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM	5. PROJECT NUMBER XQPZ880034

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 15
(b)	Percent Complete as of January 1986	75
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 APR 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	390
(b)	All Other Design Costs	0
(c)	Total	390
(d)	Contract	312
(e)	In-house	78

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
MILITARY AIRLIFT COMMAND				
LAJES FIELD, PO				650
HYDRANT REFUELING SYSTEM	8,300	8,300	2	651
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,750	4,750	100	653
UNACCOMPANIED OFFICER PERSONNEL HOUSING	2,700	2,700	100	655
BASE SUBTOTAL:	15,750	15,750		
RHEIN MAIN AB, GE				657
FIRE PROTECTION SYSTEM	1,300	1,300	50	658
BASE SUBTOTAL:	1,300	1,300		
COMMAND TOTAL:	17,050	17,050		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LAJES FIELD, AZORES, PORTUGAL	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 1.70

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	114	1,144	85	0	0	0	193	803	79	2,418
b. END FY 19 91	113	1,140	92	0	0	0	193	803	79	2,420

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,148)	
b. INVENTORY TOTAL AS OF 30 Sept 85	94,820
c. AUTHORIZATION NOT YET IN INVENTORY	78,670
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	15,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	31,950
f. PLANNED IN NEXT THREE PROGRAM YEARS	36,703
g. REMAINING DEFICIENCY	86,912
h. GRAND TOTAL	344,805

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
121-122	Hydrant Fueling Systems	LS	8,300	Feb 86	Mar 87
721-312	Alter Unaccompanied Enlisted Personnel Housing	230 PN	4,750	Jul 84	Oct 85
724-415	Unaccompanied Officer Personnel Housing	40 PN	2,700	Jul 84	Sep 85
	Total		15,750		

9. **Future Projects:** (a) Included in Following Program (FY 88):

400-000	Fuel Storage Facility	LS	27,000
812-926	Apron Security Lighting	LS	4,950
	Total		31,950

(b) Typical Planned Next Three Years:

131-111	Consolidated Communications Facility	25,900 SF	5,380
149-962	Control Tower	1 EA	2,000
510-001	ADAL Composite Medical Facility	LS	12,000

10. **Mission or Major Functions:** A major overseas installation which provides support to Naval anti-submarine warfare operations and to USAF aircraft on intercontinental missions to/from Europe or the Middle East. Supports the U.S. Commander Azores Headquarters.

11. **Outstanding pollution and safety (OSH) deficiencies:**

a.	Air pollution:	0
b.	Water pollution:	2,328
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION LAJES AIR BASE, PORTUGAL	4. PROJECT TITLE HYDRANT REFUELING SYSTEM

5. PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 121-122	7. PROJECT NUMBER MQNA870001	8. PROJECT COST ($000) 8,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HYDRANT REFUELING SYSTEM	LS			6,200
CONVERT EXISTING FUEL SYSTEM	LS			(1,600)
MODIFY/RELOCATE REFUELING OUTLETS	LS			(4,600)
SUPPORTING FACILITIES				1,300
EMERGENCY GENERATOR	LS			(460)
DEMOLITION	LS			(270)
ANTI STATIC ADDITIVE-INJECTION SYSTEM	LS			(240)
RECEIVING FILTERS	LS			(190)
TRANSFER LINE	LS			(140)
SUBTOTAL				7,500
CONTINGENCY (5%)				375
TOTAL CONTRACT COST				7,875
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				433
TOTAL REQUEST				8,308
TOTAL REQUEST (ROUNDED)				8,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, mechanical, and structural work necessary to replace existing existing deteriorating undersized hydrant refueling system. Includes electrical/mechanical controls, pump houses, hydrant pits, and piping.

11. REQUIREMENT: 1 Type III Refueling System. ADEQUATE: 0
SUBSTANDARD: 3 Type I Refueling Systems

PROJECT: Construct constant pressure refueling system to provide hydrant fueling capability at 18 existing aircraft parking positions.

REQUIREMENT: A reliable hydrant refueling system capable of adequately handling the existing airlift assets which would be used to support rapid deployment forces on contingency operations in southwest Asia.

CURRENT SITUATION: See classified DD Form 1391

IMPACT IF NOT PROVIDED: See classified DD Form 1391

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LAJES AIR BASE, PORTUGAL		
4. PROJECT TITLE HYDRANT REFUELING SYSTEM		5. PROJECT NUMBER NQNA870001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	86 FEB 20
	(b)	Percent Complete as of January 1986	2
	(c)	Percent Complete as of October 1986	40
	(d)	Date Design Complete	87 MAR 01
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	272
	(b)	All Other Design Costs	0
	(c)	Total	272
	(d)	Contract	250
	(e)	In-house	22
(4)	Construction start		87 JUL

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION LAJES FIELD, AZORES, PORTUGAL	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 4.18.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER MQNA850014	8. PROJECT COST ($000) 4,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (230 PN)	SF	57,000	63	3,591
SUPPORTING FACILITIES				520
UTILITIES	LS			(240)
PAVEMENTS	LS			(240)
SITE IMPROVEMENTS	LS			(40)
SUBTOTAL				4,111
CONTINGENCY (10%)				411
TOTAL CONTRACT COST				4,522
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				249
TOTAL REQUEST				4,771
TOTAL REQUEST (ROUNDED)				4,750

10. DESCRIPTION OF PROPOSED CONSTRUCTION Alter two dormitories, T-130 and T-131, to include the following work: Install 74 semi-private and 2 private bath facilities, remove 6 common latrines each building, replace windows, upgrade electrical, mechanical, ventilation and fire detection systems, replace carpeting, repair roof, and paint interior and exterior. Grade Mix: 163 E1-E4; 65 E5-E6; 2 E7-E9

11. REQUIREMENT: 912 PN ADEQUATE: 0 PN SUBSTANDARD: 1,610 PN

PROJECT: Alter two existing unaccompanied housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates. The Air Force should remove this irritant to maintain an effective force of experienced airmen.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1960. They completely lack privacy, have inadequate lighting, poor insulation and sound attenuation, and obsolete electrical and mechanical systems. Two facilities will be upgraded by this project.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LAJES AIR FORCE BASE, PORTUGAL		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER MQNA850014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	84 JUL 14
	(b)	Percent Complete as of January 1986	100
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	85 OCT 15
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	337
	(b)	All Other Design Costs	86
	(c)	Total	423
	(d)	Contract	240
	(e)	In-house	183
(4)	Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION LAJES FIELD, AZORES, PORTUGAL	4. PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
4.18.96	724-415	MQNA870003	2,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED OFFICER PERSONNEL HOUSING (40 PN)	SF	24,500	84	2,058
SUPPORTING FACILITIES				365
UTILITIES	LS			(110)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS			(105)
SPECIAL FOUNDATIONS	LS			(120)
SUBTOTAL				2,423
CONTINGENCY (5%)				121
TOTAL CONTRACT COST				2,544
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				140
TOTAL REQUEST				2,684
TOTAL REQUEST (ROUNDED)				2,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete block on reinforced concrete foundation including all site work, e.g., demolition of quonset huts, paving of access road, parking lot, utilities, private kitchens and private bathrooms. GRADE MIX: 10 0-1 and 0-2, 30 0-3 and above.

11. REQUIREMENT: 311 PN ADEQUATE: 0 SUBSTANDARD: 231 PN

PROJECT: Construct unaccompanied officer personnel housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied assigned personnel with housing that will be conductive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low retention rates.

CURRENT SITUATION: The existing quarters for unaccompanied officer personnel are all substandard. Of the 231 substandard spaces, 61 will be upgraded by maintenance and repair project. The remaining 170 are in five substandard wood buildings built 25 to 32 years ago. The rooms are cramped, lack ventilation, and are energy inefficient. There are no off-base quarters available at this remote location. Two of the existing substandard quarters facilities will be disposed of after this project is complete. The balance of the deficiency will be addressed in future programs.

IMPACT IF NOT PROVIDED: Substandard, overcrowded living conditions for unaccompanied officers will persist with a continuing detrimental effect on the morale, welfare and readiness of assigned personnel.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LAJES AIR FORCE BASE, PORTUGAL		
4. PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING		5. PROJECT NUMBER MQHA870003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 JUL 15
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 SEP 27
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	230
	(b) All Other Design Costs	92
	(c) Total	322
	(d) Contract	172
	(e) In-house	150
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION RHEIN MAIN AIR BASE, GERMANY	4. COMMAND MILITARY AIRLIFT COMMAND	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	462	3,362	143	0	0	0	70	776	341	5,154
b. END FY 19 91	463	3,461	163	0	0	0	70	776	341	5,274

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (920)	
b. INVENTORY TOTAL AS OF 30 Sept 85	42,057
c. AUTHORIZATION NOT YET IN INVENTORY	15,342
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	22,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	32,200
g. REMAINING DEFICIENCY	83,503
h. GRAND TOTAL	196,652

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
880-232	Fire Protection System	LS	1,300	Jan 85	Apr 86

9. Future Projects: (a) Included in Following Program (FY 88):

113-321	Aircraft Parking	29,720 SY	2,650
141-454	Add to Combat Control Team Facility	7,150 SF	870
141-461	Operations Complex	30,650 SF	5,500
141-753	ADAL Squadron Operations	4,000 SF	700
141-784	Passenger Terminal	93,500 SF	11,100
211-154	Field Maintenance Shop	3,000 SF	430
730-772	Religious Education Facility	9,000 SF	1,000
	Total		22,250

10. Mission or Major Functions: This base supports a tactical airlift wing, an aeromedical airlift squadron, an airlift operations squadron, a special operations squadron, a facility checking squadron, a Communications Command communications group and an aerial port squadron. This base is the principle embarkation/debarkation point for aircraft arriving from and departing West Germany for the CONUS.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	4,450
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RHEIN-MAIN AIR BASE, GERMANY	4. PROJECT TITLE FIRE PROTECTION SYSTEM

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 880-232	7. PROJECT NUMBER UDHY871010	8. PROJECT COST ($000) 1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE PROTECTION SYSTEM	LS			1,108
AQUEOUS FILM FORMING FOAM SYSTEM	SF	15,600	14	(218)
FIRE ALARM SYSTEM	LS			(256)
PUMP HOUSE	LS			(334)
WATER STORAGE AND DISTRIBUTION	LS			(300)
SUPPORTING FACILITIES				50
SUBTOTAL				1,158
CONTINGENCY (5%)				58
TOTAL CONTRACT COST				1,216
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				67
TOTAL REQUEST				1,283
TOTAL REQUEST (ROUNDED)				1,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION Piping, pump house, connecting water lines, power connection and essential supporting facilities required to provide underwing acqueous film forming foam (AFFF) fire protection.

11. REQUIREMENT: 15,600 SF ADEQUATE: 0 SUBSTANDARD: 15,600 SF

PROJECT: Install underwing aqueous film forming foam (AFFF) fire protection systems in two aircraft maintenance hangars.

REQUIREMENT: Adequate protection measures are required to protect Air Force resources and personnel against fire loss and injury. Aircraft hangars require underwing AFFF systems to adequately safeguard aircraft undergoing maintenance. The AFFF system minimizes danger to equipment, planes and human lives in case of fire.

CURRENT SITUATION: Two hangars, buildings 425 and 435, do not have fire protection systems installed and a fire could likely escalate rapidly and destroy the building contents. Hangar 425 is used for major repairs on landing gear and flight controls on C-130s and C-141s. Building and contents, excluding aircraft, total $1.4M. Hangar 435 is the primary inspection hangar for structural, instrument, and flight systems for C-130 and C-9 aircraft. Building and contents, excluding aircraft, total $1.5M. This fire protection system is designed to quickly extinguish any fire originating under the aircraft.

IMPACT IF NOT PROVIDED: Operations will continue in the two hangars with the possibility of significant loss due to a fire.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RHEIN MAIN AIR BASE, GERMANY		
4. PROJECT TITLE FIRE PROTECTION SYSTEM		5. PROJECT NUMBER UDHY871010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JAN 15
	(b) Percent Complete as of January 1986	50
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 APR 07
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	31
	(b) All Other Design Costs	31
	(c) Total	62
	(d) Contract	31
	(e) In-house	31
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
PACIFIC AIR FORCES				
CAMP HUMPHREYS, KO				662
OPERATIONAL, MAINTENANCE AND STORAGE FACILITIES	8,300	8,300	60	663
BASE SUBTOTAL:	8,300	8,300		
CAMP RED CLOUD, KO				665
MAINTENANCE/STORAGE FACILITY AND VEHICLE EQUIPMENT PARKING	1,450	1,450	60	666
BASE SUBTOTAL:	1,450	1,450		
CLARK AB, RP				668
PARALLEL RUNWAY	32,500	32,500	35	670
PETROLEUM OPERATIONS FACILITY	1,650	1,650	95	673
FIRE STATION	760	760	35	1114
COPE THUNDER OPERATIONS FACILITY	4,650	4,650	35	675
ESSENTIAL MAINTENANCE FACILITIES-PHASE II	4,600	4,600	85	678
AEROSPACE SYSTEM BRANCH/ ENGINE DISPATCH FACILITY	1,050	1,050	95	680
PORTOMOD WAREHOUSE	460	460	35	1115
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5,000	5,000	35	683
CHILD CARE CENTER	2,000	2,000	35	685
UPGRADE POWER PLANT - PHASE IV	8,600	8,600	60	688
BASE SUBTOTAL:	61,270	61,270		
DIEGO GARCIA AB, IO				690
GLOBAL POSITIONING SYSTEM INTERNET FACILITIES	3,900	3,900	75	691
VEHICLE STORAGE AND MAINTENANCE SUPPORT	800	800	35	1109
BASE SUBTOTAL:	4,700	4,700		
KADENA AB, JA				693
ADD TO AND ALTER HYDRANT REFUELING SYSTEM -PHASE II	7,100	7,100	30	695
VEHICLE CORROSION CONTROL SUPPORT FACILITY	265	265	35	1110
BASE SUBTOTAL:	7,365	7,365		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
KIMHAE AB, KO				697
PORTOMOD WAREHOUSE	570	570	70	1112
UNACCOMPANIED PERSONNEL HOUSING	3,050	3,050	100	698
BASE SUBTOTAL:	3,620	3,620		
KUNSAN AB, KO				700
ADD TO AIRCRAFT APRON	1,050	1,050	100	702
AIRCRAFT MAINTENANCE UNIT FACILITY	1,800	1,800	85	704
PORTOMOD WAREHOUSE	600	600	70	1113
AIRCRAFT MAINTENANCE MANAGEMENT FACILITY	2,050	2,050	70	707
BASE CIVIL ENGINEER FACILITY	840	840	70	1113
CONSOLIDATED SUPPORT FACILITY	0	2,250	95	709
ALTER ELECTRICAL DISTRIBUTION SYSTEM-PHASE-II	2,600	2,600	70	711
SECURITY LIGHTING SYSTEM	1,650	1,650	85	713
UPGRADE WATER DISTRIBUTION	430	430	35	1112
BASE SUBTOTAL:	11,020	13,270		
KWANG-JU AB, KO				715
PORTOMOD WAREHOUSE	600	600	70	1113
UNACCOMPANIED OFFICER PERSONNEL HOUSING	0	650	100	1114
BASE SUBTOTAL:	600	1,250		
MISAWA, AB, JA				716
CONCRETE ARCH IGLOO MAGAZINES	3,050	3,050	50	717
MUNITIONS PRELOAD COMPLEX	7,250	7,250	50	719
BASE SUBTOTAL:	10,300	10,300		
OSAN AB, KO				722
MUNITIONS MAINTENANCE AND STORAGE FACILITIES-PHASE II	5,950	5,950	65	724
AIRCRAFT MAINTENANCE FACILITIES	3,000	3,000	45	727
ALTER AIRMEN DINING HALL	1,150	1,150	65	729
CHAPEL CENTER	2,300	2,300	65	731
ADD TO AND ALTER PRIMARY ELECTRICAL DISTRIBUTION SYSTEM	5,400	5,400	90	733
BASE SUBTOTAL:	17,800	17,800		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
SAIPAN, MI				735
PACBAR RADAR BARRIER III	5,200	5,200	35	736
BASE SUBTOTAL:	5,200	5,200		
SUWON AB, KO				738
MUNITIONS MAINTENANCE AND STORAGE FACILITIES	3,250	3,250	35	739
PORTOMOD WAREHOUSE	600	600	70	1114
BASE SUBTOTAL:	3,850	3,850		
TAEGU AB, KO				741
PORTOMOD WAREHOUSE	1,070	1,070	90	742
AIRMEN DINING HALL	2,350	2,350	65	744
UNACCOMPANIED OFFICER PERSONNEL HOUSING	1,750	1,750	35	746
BASE SUBTOTAL:	5,170	5,170		
TOTSUKA NRTF, JA				748
ADD TO TELECOMMUNICATIONS FACILITY	700	700	40	1110
BASE SUBTOTAL:	700	700		
YOKOSUKA NRTF, JA				749
ADD TO TELECOMMUNICATIONS FACILITY	600	600	35	1111
BASE SUBTOTAL:	600	600		
YOKOTA AB, JA				750
JET FUEL STORAGE	4,900	4,900	60	751
BASE SUBTOTAL:	4,900	4,900		
COMMAND TOTAL:	146,845	149,745		

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION CAMP HUMPHREYS, KOREA	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 1991										

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE NA	
b. INVENTORY TOTAL AS OF 30 Sept 85	
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	1,000
h. GRAND TOTAL	13,600

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-000	Operations, Maintenance and Storage Facilities	LS	8,300	May 85	Aug 86

9. Future Projects: Included in Following Program (FY 88):

721-312	Unaccompanied Enlisted Personnel Housing	161 PN	8,300

10. Mission or Major Functions: US Army post for Combat Support. USAF personnel support TACP Operations.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CAMP HUMPHREYS, KOREA	4. PROJECT TITLE OPERATIONAL, MAINTENANCE AND STORAGE FACILITIES

5. PROGRAM ELEMENT 2.74.22	6. CATEGORY CODE 131-000	7. PROJECT NUMBER PYZE871114	8. PROJECT COST ($000) 8,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL, MAINTENANCE AND STORAGE FACILITIES	LS			5,752
HARDENED MAINTENANCE FACILITY	SF	21,200	250	(5,300)
ANTENNA PADS	EA	11	13,640	(150)
VEHICLE AND EQUIPMENT PARKING	SY	8,900	34	(302)
SUPPORTING FACILITIES				1,720
COMMUNICATIONS SUPPORT	LS			(20)
UTILITIES	LS			(390)
PAVEMENTS	LS			(740)
SITE IMPROVEMENTS	LS			(570)
SUBTOTAL				7,472
CONTINGENCY (5%)				374
TOTAL CONTRACT COST				7,846
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				432
TOTAL REQUEST				8,278
TOTAL REQUEST (ROUNDED)				8,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION Hardened structure with concrete foundation, floor slab, walls, roof system, fire protection system, utilities and necessary support. Area includes operations, maintenance and storage space, administrative space, armory, vault, revetted vehicle and equipment parking space. Air conditioning -30 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a hardened operational, maintenance and storage facility; vehicle and equipment parking pavement, and antenna pads.

REQUIREMENT: A hardened operational facility is needed to store, operate and maintain new tactical wartime command, control and communications systems to be installed at this installation. These systems will provide high quality combat secure voice, reconnaissance and data systems with multi-channel communications. This facility must be hardened because it provides direct support to the hardened tactical air control center (HTACC) at Osan Air Base and must remain operational during enemy attack to insure communications are maintained with the HTACC. A revetted parking area is required for this equipment to provide protection during an attack.

CURRENT SITUATION: Existing facilities are inadequate to accommodate the programmed mission beddown. Construction of new facilities is required to meet mission capability.

IMPACT IF NOT PROVIDED: If facilities are not provided, the equipment cannot be fielded, seriously jeopardizing the ability to maintain communications during a contingency.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CAMP HUMPHREYS, KOREA		
4. PROJECT TITLE OPERATIONAL, MAINTENANCE AND STORAGE FACILITIES		5. PROJECT NUMBER PYZE871114

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 13
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 01

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	465
(b) All Other Design Costs	199
(c) Total	664
(d) Contract	465
(e) In-house	199

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION CAMP RED CLOUD, KOREA	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE NA	
b. INVENTORY TOTAL AS OF 30 Sept 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	1,450

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217-000	Maintenance/Storage Facility and Vehicle/Equipment Parking	LS	1,450	May 85	Aug 86

9. Future Projects: None

10. Mission or Major Functions: US Army combined field army and headquarters. USAF personnel support TACP operations.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CAMP RED CLOUD, KOREA	4. PROJECT TITLE MAINTENANCE/STORAGE FACILITY AND VEHICLE/EQUIPMENT PARKING

5. PROGRAM ELEMENT 2.74.22	6. CATEGORY CODE 217-000	7. PROJECT NUMBER PYZE871113	8. PROJECT COST ($000) 1,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE/STORAGE FACILITY AND VEHICLE/EQUIPMENT PARKING	LS			713
MAINTENANCE/STORAGE FACILITY	SF	7,200	90	(648)
VEHICLE/EQUIPMENT PARKING	SY	2,050	32	(65)
SUPPORTING FACILITIES				575
COMMUNICATIONS	LS			(170)
UTILITIES	LS			(215)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(70)
SUBTOTAL				1,288
CONTINGENCY (5%)				64
TOTAL CONTRACT COST				1,352
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				74
TOTAL REQUEST				1,426
TOTAL REQUEST (ROUNDED)				1,450

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls, roof system, fire protection system, utilities and all necessary support. Area includes maintenance, storage and office spaces, vault, and support space. Facility and parking areas will be protected with steel-bin earth-filled revetment. Air conditioning - 5 tons.

11. REQUIREMENT: As required.

PROJECT: Construct a maintenance and storage facility; and vehicle and mobile equipment parking pavement.

REQUIREMENT: A revetted communications maintenance facility is required to provide maintenance support for new tactical wartime command, control and communications systems to be installed at this installation. These systems provide communications support for the Air Support Operations Center (ASOC), whose mission is to coordinate close air support and tactical reconnaissance. A revetted parking area is required for this mobile equipment to provide protection during attack.

CURRENT SITUATION: Existing facilities are not available to provide for the programmed mission beddown. New facilities must be constructed to meet mission capablility requirements.

IMPACT IF NOT PROVIDED: High cost, unique equipment would be stored in an open, unprotected area, making it extremely vulnerable to terrorist ground attacks. Without a maintenance facility, it would be extremely difficult to perform the required preventive maintenance during adverse weather conditions and the capability to support mission requirements would be impaired.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
CAMP RED CLOUD, KOREA

4. PROJECT TITLE MAINTENANCE/STORAGE FACILITY AND VEHICLE/EQUIPMENT PARKING	5. PROJECT NUMBER PYZE871113

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 MAY 13
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 01

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	95
(b) All Other Design Costs	41
(c) Total	136
(d) Contract	95
(e) In-house	41

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,051	7,631	244	0	0	0	0	0	0	8,926
b. END FY 19 91	1,181	8,406	270	0	0	0	0	0	0	9,857

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (57,428)	
b. INVENTORY TOTAL AS OF 30 Sept 85	246,071
c. AUTHORIZATION NOT YET IN INVENTORY	42,695
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	61,270
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	96,420
f. PLANNED IN NEXT THREE PROGRAM YEARS	86,530
g. REMAINING DEFICIENCY	95,070
h. GRAND TOTAL	628,056

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111-111	Parallel Runway		LS	32,500	Jun 84	Sep 86
120-000	POL Operations Facility		LS	1,650	Apr 85	Jan 86
130-142	Fire Station	9,000	SF	760	May 85	Apr 86
141-753	Cope Thunder Operations Facility	46,500	SF	4,650	May 85	Jun 86
211-111	Essential Maintenance Facilities - Phase II		LS	4,600	Jun 85	Mar 86
211-152	Aerospace System Branch/ Engine Dispatch Facility	11,000	SF	1,050	Sep 84	Feb 86
442-758	PORTOMOD Warehouse	20,000	SF	460	May 85	Jun 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	384	PN	5,000	May 85	Sep 86
740-884	Child Care Center	18,000	SF	2,000	Apr 85	Aug 86
811-145	Upgrade Power Plant - Phase IV		LS	8,600	Jan 85	May 86
	Total			61,270		

9. Future Projects: Included in Following Program (FY 88):

113-321	Cope Thunder Operations Ramp	35,000	SY	2,700
211-179	Add to and Alter Fuel System Maintenance Dock		LS	1,400
219-944	Base Civil Engineer Complex	93,650	SF	5,300
442-515	Medical WRM Warehouse		LS	8,110
442-769	Services Complex-Phase I	100,000	SF	5,000
510-001	Add to and Alter Composite Medical Facility	385,500	SF	42,000
610-000	Consolidated Support Facility-Phase III	46,415	SF	3,450
610-243	Aeromedical Evacuation/Airlift Squadron Facility	15,000	SF	1,350

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.85

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF ....

c. AUTHORIZATION NOT YET IN INVENTORY ....

d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....

f. PLANNED IN NEXT THREE PROGRAM YEARS ....

g. REMAINING DEFICIENCY ....

h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-321	Unaccompanied Enlisted Personnel Housing	448	PN	7,200		
800-000	ECIP	-	LS	1,800		
811-145	Upgrade Power Plant-Phase V	14,000	KW	14,200		
880-200	OSHA-Alarm/Sprinkler System		LS	2,500		
	(b)Typical Planned Next Three Years:					
442-758	RRR Equipment Storage		LS	2,210		
721-312	Unaccompanied Enlisted Personnel Housing	348	PN	5,500		
830-000	Upgrade Sewage System		LS	3,000		

10. Misson or Major Functions: Tactical fighter wing with T-33, C-12F, F-4E, F-4G, and F-5E aircraft; a tactical airlift wing with C-130E and C-130H aircraft; an aerospace rescue and recovery detachment with HH-3 and CH-3 aircraft; an aeromedical airlift squadron with C-9 aircraft; USAF Regional Hospital; a Numbered Air Force Headquarters.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	3,000
c.	Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4. PROJECT TITLE PARALLEL RUNWAY

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 111-111	7. PROJECT NUMBER DVLK879000	8. PROJECT COST ($000) 32,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PARALLEL RUNWAY	LS			24,942
RUNWAY	SY	233,500	56	(13,076)
TAXIWAY	SY	74,500	69	(5,140)
PAVED OVERRUN	SY	44,500	31	(1,379)
WARMUP/HOLDING PAD	SY	39,500	59	(2,330)
AIRFIELD PAVEMENTS LIGHTING	LS			(3,017)
SUPPORTING FACILITIES				4,355
UTILITIES	LS			(905)
PAVEMENTS	LS			(1,250)
SITE IMPROVEMENTS	LS			(2,200)
SUBTOTAL				29,297
CONTINGENCY (5%)				1,465
TOTAL CONTRACT COST				30,762
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				1,692
TOTAL REQUEST				32,454
TOTAL REQUEST (ROUNDED)				32,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION Parallel runway 200 ft wide by 10,500 ft long. Includes shoulders 125 feet wide, taxiways 75 ft wide, warm-up pads over runs 1,000 ft long and runway edge/approach lighting systems. Supporting facilities include electrical, drainage, relocation/demolition and site improvement. Relocate 2 ammo igloos and inert storage facility.

11. REQUIREMENT: As required.

PROJECT: Construct a runway parallel to the existing primary runway.

REQUIREMENT: A parallel runway is required to support current peacetime aircraft movements, and to provide Clark the ability to operate simultaneously as both a main warfighting base and major logistical facility during contingency situations.

CURRENT SITUATION: Recent regional trends have underlined the strategic and geopolitical importance of U.S. forces and activities based in the Republic of the Philippines. The runway at Clark was constructed in 1948 and has deteriorated significantly requiring frequent major emergency maintenance and repair. A second runway lessens the likelihood of a disastrous consequence resulting from one of the many unplanned closures that now occur as a result of having only one runway at Clark. The possibility of the extended loss of Clark's only runway due to emergency repairs highlights the needs for a second runway. These frequent runway closures significantly inhibited tacticl operations and have also caused concern over the safety implications of unplanned runway closures with the limited number of suitable diversion airfields available. A parallel runway increases the peacetime efficiency of all users of Clark AB during training missions. Clark provides an excellent training environment for

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES		
4. PROJECT TITLE PARALLEL RUNWAY		5. PROJECT NUMBER DVLK879000

all WESTPAC forces and is a major training facility.

Cope Thunder is conducted seven times a year at Clark generating over 7,000 sorties in order to provide combat seasoning for fighter crews. Intense training at Clark causes extensive backlogs of aircraft landing since only one runway is available.

IMPACT IF NOT PROVIDED: Without a parallel runway at Clark AB, non-exercise aircraft will continue to be subject to long takeoff and landing delays. The deteriorating status of the existing runway, will accelerate without opportunities for repair.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES		
4. PROJECT TITLE PARALLEL RUNWAY		5. PROJECT NUMBER DVLK879000

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JUN 17
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 29
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	800
	(b)	All Other Design Costs	1350
	(c)	Total	2150
	(d)	Contract	2000
	(e)	In-house	150
(4)	Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4. PROJECT TITLE PETROLEUM OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.75.96	120-000	DVLK883405	1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PETROLEUM OPERATIONS FACILITY	LS			955
FUELING & DISPENSING FACILITY	LS			(647)
PETROLEUM OPERATIONS BUILDING	SF	3,850	80	(308)
SUPPORTING FACILITIES				530
ELECTRICAL UTILITIES	LS			(285)
PAVEMENTS	LS			(135)
SITE IMPROVEMENTS	LS			(110)
SUBTOTAL				1,485
CONTINGENCY (5%)				74
TOTAL CONTRACT COST				1,559
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				86
TOTAL REQUEST				1,645
TOTAL REQUEST (ROUNDED)				1,650

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slab, structural steel framing, masonry walls, roof system, mechanical dispensing capability, two underground storage tanks, two motorized pumps, connecting piping and valves, truck stand dispensing system and all necessary support work.

11. REQUIREMENT: As required.

PROJECT: Construct a petroleum operations building and upgrade existing truck fillstand system.

REQUIREMENTS: An adequate petroleum operations building is required to provide centralized management and control of all base petroleum products. An adequate truck fillstand is needed to support refueling of permanently assigned aircraft and transient aircraft.

CURRENT SITUATION: POL operations are located in two quonset huts constructed in 1946 which have deteriorated beyond economical repair, leak extensively and are termite infested. The fuel requirements have increased dramatically over the years with additions of permanently assigned aircraft and major training exercises with no upgrade in POL facilities. The system cannot adapt to surges during training or combat exercises. The current facilities require a 24-hour shift operation, seven days a week to meet fuel requirements.

IMPACT IF NOT PROVIDED: Efficiency and productivity will be degraded due to inadequate facilities and fuel dispensing equipment. Training exercises and missions will be adversely impacted since refueling systems cannot accommodate flying schedules.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

CLARK AIR BASE, PHILIPPINES

4. PROJECT TITLE POL OPERATIONS FACILITY	5. PROJECT NUMBER DVLK883405

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 APR 22
	(b)	Percent Complete as of January 1986	95
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 JAN 30
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	71
	(b)	All Other Design Costs	0
	(c)	Total	71
	(d)	Contract	47
	(e)	In-house	24
(4)	Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4 PROJECT TITLE COPE THUNDER OPERATIONS FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 141-753	7 PROJECT NUMBER DVLK873246	8 PROJECT COST ($000) 4,650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COPE THUNDER OPERATIONS FACILITY	SF	46,500	69	3,208
SUPPORTING FACILITIES				990
UTILITIES	LS			(360)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(145)
COMMUNICATIONS	LS			(155)
SHIELDING, TEMPEST	LS			(230)
SUBTOTAL				4,198
CONTINGENCY (5%)				210
TOTAL CONTRACT COST				4,408
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				242
TOTAL REQUEST				4,650
TOTAL REQUEST (ROUNDED)				4,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Pre-engineered steel frame with concrete footings, floor slab, masonry walls, roof system, fire protection/detection systems, and support utilities. Air Conditioning: 95 Tons.

11. REQUIREMENT: 46,500 SF ADEQUATE: 0 SUBSTANDARD: 8,400 SF

PROJECT: Construct a Cope Thunder Operations Facility.

REQUIREMENT: An adequate facility is required to meet the needs of the Cope Thunder combat readiness training program. Cope Thunder is a program designed to provide realistic mock-combat flying sorties to aircrew members. The participation and sorties have doubled since its beginning in FY 77. Tri-service emphasis on readiness has resulted in this growth from increased participation and inclusion of new aircraft in the program. A new electronic Aircrew Debriefing System (ADS) will enhance training and is scheduled to arrive in FY 89. The ADS includes machine computers, large screen displays, scoring consoles and storage that must be housed in an environmentally controlled facility.

CURRENT SITUATION: The Cope Thunder operations functions are currently accommodated in two inadequate facilities and a set of flightline trailers. The facility housing operations/support staff, and the current computer system is not large enough to accommodate the new ADS, and is located approximately five miles from Cope Thunder air crews. Badly deteriorated trailers are used as office space, for flight planning and individual briefing rooms. Mass briefings cannot be held due to lack of facilities; the same briefing must be given four or five times to brief the exercise strike force. One facility will be disposed

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	
4. PROJECT TITLE COPE THUNDER OPERATIONS FACILITY	5. PROJECT NUMBER DVLK873246

of upon completion of this project.
IMPACT IF NOT PROVIDED: Cope Thunder exercises will continue to be managed from cramped and deteriorated facilities. There will be no place to install the ADS.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES	
4. PROJECT TITLE COPE THUNDER OPERATIONS FACILITY	5. PROJECT NUMBER DVLK873246

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 22
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	304
(b) All Other Design Costs	220
(c) Total	524
(d) Contract	474
(e) In-house	50

(4) Construction start	87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4. PROJECT TITLE ESSENTIAL MAINTENANCE FACILITIES - PHASE II

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.71.30	211-111	DVLK873301	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ESSENTIAL MAINTENANCE FACILITIES-PHASE II	LS			2,915
MAINTENANCE HANGAR	SF	30,000	66	(1,980)
ALTER HANGAR	SF	55,000	17	(935)
SUPPORTING FACILITIES				1,235
COMMUNICATIONS SUPPORT	LS			(10)
ELECTRICAL	LS			(130)
PAVEMENT	LS			(40)
WATER DISTRIBUTION	LS			(70)
SITE IMPROVEMENT/DEMOLITION	LS			(675)
FIRE SUPPORT	LS			(310)
SUBTOTAL				4,150
CONTINGENCY (5%)				208
TOTAL CONTRACT COST				4,358
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				240
TOTAL REQUEST				4,598
TOTAL REQUEST (ROUNDED)				4,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Metal building with concrete foundation and floor slab, masonry walls/roof, fire protection system, utilities and all neccessary support. Replacement of exterior walls, roofing and doors; alteration of interior partitions, and electrical system, and installation of fire protection system. Area includes hangar bays with shops, training, administrative and support space.

11. REQUIREMENT: 263,700 SF ADEQUATE: 143,700 SF SUBSTANDARD: 135,500 SF

PROJECT: Construct and alter aircraft maintenance facilities.

REQUIREMENT: Adequate facilities, properly sized and configured, are required to provide space for maintenance of tactical fighter aircraft. This provides necessary facility support for scheduled aircraft maintenance, inspection, repairs and modifications. Adequate space must be made available to accommodate these activities and assure the safe, efficient and secure accomplishement of work tasks.

CURRENT SITUATION: Aircraft maintenance is being conducted in dispersed facilities, some of which were constructed in the late 1940's and their age and condition make them extremely energy inefficient and uneconomical to upgrade, operate and maintain. Facilities have inadequate lighting, poor insulation and obsolete mechanical and electrical systems. Structural deterioration has made hangars unsafe for sheltering aircraft during typhoon conditions. The structures have leaking roofs, damaged and deteriorated siding and inoperable doors. Four substandard hangars will be demolished after completion of this project.

IMPACT IF NOT PROVIDED: Maintenance will continue to be accomplished in inadequate facilities resulting in continued degradation of productivity, morale, and efficiency of operations.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES		
4. PROJECT TITLE ESSENTIAL MAINTENANCE FACILITY-PHASE II		5. PROJECT NUMBER DVLK873301

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 JUN 14
(b) Percent Complete as of January 1986		85
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 MAR 15
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		637
(b) All Other Design Costs		0
(c) Total		637
(d) Contract		587
(e) In-house		50
(4) Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4. PROJECT TITLE AEROSPACE SYSTEM BRANCH/ENGINE DISPATCH FACILITY

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 211-152	7 PROJECT NUMBER DVLK863206	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AEROSPACE SYSTEM BRANCH/ENGINE DISPATCH FACILITY	SF	11,000	66	726
SUPPORTING FACILITIES				225
COMMUNICATIONS	LS			(35)
UTILITIES	LS			(30)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(40)
SUBTOTAL				951
CONTINGENCY (5%)				48
TOTAL CONTRACT COST				999
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				55
TOTAL REQUEST				1,054
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Erect a pre-engineered building, complete with reinforced concrete foundation and floor slab, masonry partitions, gypsum board ceiling, and interior finishes. Structure includes fire protection, utilities and other necessary supporting facilities including communications/information services wiring. Air Conditioning: 30 Tons.

11. REQUIREMENT: 11,000 SF ADEQUATE: 0 SUBSTANDARD: 13,576 SF

PROJECT: Construct an aerospace systems branch/engine dispatch facility.

REQUIREMENT: An adequately sized and properly configured facility is required for the aerospace systems branch and engine dispatch functions. This facility is required to support specialized maintenance activities such as hydraulics, electric, repair and reclamation, environmental, and engine dispatch. This facility is needed to relocate and consolidate existing aerospace systems/engine dispatch functions in order to reduce transportation distances of large aircraft parts.

CURRENT SITUATION: This function is now accommodated in two facilities without adequate floor space for proper configuration of the equipment necessary to upgrade the tactical airlift support capability of these functions. Large aircraft parts are transported by slow moving forklifts or trucks over a rutted, unpaved road in excess of one mile long. This increases the chance of damage to these parts and is a hazard to vehicular traffic. There is no available space in existing base facilities for this function. One of the existing facilities is a badly deteriorated, 38 year old building which will be disposed of and

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES		
4. PROJECT TITLE AEROSPACE SYSTEM BRANCH ENGINE DISPATCH FACILITY		5. PROJECT NUMBER DVLK863206

the other will revert to a general purpose maintenance facility where there is an existing deficiency.

IMPACT IF NOT PROVIDED: Mission support will continue to be adversely impacted by inadequate facilities and aircraft components will continue to be subjected to damage from excessive handling and transportation.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES		
4 PROJECT TITLE AEROSPACE SYSTEMS BRANCH/ ENGINE DISPATCH FACILITY .	5. PROJECT NUMBER DVLK863206	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 SEP 13
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 FEB 15
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	44
(b) All Other Design Costs	23
(c) Total	67
(d) Contract	67
(e) In-house	0
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4 PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96 ($3,750) 4.40.11 ($1,850)	6 CATEGORY CODE 721-312	7 PROJECT NUMBER DVLK873306	8 PROJECT COST ($000) 5,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (384 PN)	SF	120,400	34	4,094
SUPPORTING FACILITIES				223
SITE IMPROVEMENT	LS			(63)
WATER, SEWER AND DRAINS	LS			(30)
COMMUNICATION SUPPORT	LS			(20)
ROAD, WALKS AND CURB	LS			(110)
SUBTOTAL				4,317
CONTINGENCY (10%)				432
TOTAL CONTRACT COST				4,749
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				261
TOTAL REQUEST				5,010
TOTAL REQUEST (ROUNDED)				5,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION All structural, electrical and mechanical work, noise attenuation, fire protection, energy conservation measures, and necessary support. Areas include bedrooms, baths and storage areas. Air Conditioning: 160 Tons Grade Mix: 306 E1-E4, 70 E5-E6, 8 E7-E9.

11. REQUIREMENT: 3,122 PN ADEQUATE: 1,601 PN SUBSTANDARD: 2,222 PN

PROJECT: Alter four unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters which provide individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people perform. The lack of such quarters is an irritant to these personnel and known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded lack privacy, have inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems and central latrines. Currently there are 975 permanent party enlisted personnel living off-base and drawing BAQ payments. This project will allow proper utilization of dormitory space; will permit service members to move from off-base to on-base housing and will save the Air Force funds now spent on BAQ payments.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base. Service members will continue to be housed off-base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER DVLK873306

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 MAY 30
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 05
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	292
	(b)	All Other Design Costs	0
	(c)	Total	292
	(d)	Contract	267
	(e)	In-house	25
(4)	Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4 PROJECT TITLE CHILD CARE CENTER

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 740-884	7 PROJECT NUMBER DVLK873245	8 PROJECT COST ($000) 2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD CARE CENTER	SF	18,000	67	1,206
SUPPORTING FACILITIES				610
UTILITIES	LS			(215)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(195)
SUBTOTAL				1,816
CONTINGENCY (5%)				91
TOTAL CONTRACT COST				1,907
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				105
TOTAL REQUEST				2,012
TOTAL REQUEST (ROUNDED)				2,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, roof system, fire protection systems, utilities and necessary support. Includes reception area, multi-purpose rooms, isolation room, audio-visual room, kitchen and dining room, office, staff area and playground. Air Conditioning 65 Tons.

11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SUBSTANDARD: 12,820 SF

PROJECT: Construct a child care center.

REQUIREMENT: An adequately sized child care center is required to improve management and supervised care development for dependent children between ages 6 weeks and 11 years. The center will support families of military parents, single military mothers and fathers, and will provide a comfortable, safe and clean educational environment for parents to leave their children on either a full time basis for developmental programs, or for drop-in service while they are away from home for short periods of time.

CURRENT SITUATION: Child care is now accommodated in separate congested and inadequately sized WWII wood framed facilities. These facilities have deteriorated beyond economic repair. There are no adequate off-base child care centers or pre-schools. From May 1979 to April 1984, the total number of children using the center has increased threefold. The existing center is operating at maximum capacity but cannot meet the needs of the military families. This project will dispose of seven deteriorated wood framed facilities.

IMPACT IF NOT PROVIDED: There will continue to be a waiting list of personnel desiring to have their children enrolled in the facility.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES		
4. PROJECT TITLE CHILD CARE CENTER		5. PROJECT NUMBER DVLK873245

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 APR 19
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 31
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	173
(b) All Other Design Costs	0
(c) Total	173
(d) Contract	138
(e) In-house	35
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CLARK AIR BASE, REPUBLIC OF THE PHILIPPINES	4 PROJECT TITLE UPGRADE POWER PLANT - PHASE IV

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 811-145	7 PROJECT NUMBER DVLK873300	8 PROJECT COST ($000) 8,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UPGRADE POWER PLANT - PHASE IV	LS			5,580
GENERATORS (14,000 KW)	LS			(4,880)
BUILDING ADDITION	SF	5,000	140	(700)
SUPPORTING FACILITIES				2,205
UTILITIES	LS			(615)
REBUILD SUBSTATION	LS			(500)
SITE IMPROVEMENT	LS			(250)
POL STORAGE	LS			(780)
PAVEMENTS AND FENCE	LS			(60)
SUBTOTAL				7,785
CONTINGENCY (5%)				389
TOTAL CONTRACT COST				8,174
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				450
TOTAL REQUEST				8,624
TOTAL REQUEST (ROUNDED)				8,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct building extension to match existing, install two diesel engine generators (government furnished), switchgear, ancillary equipment, controls and all necessary support. Relocate and connect existing base feeders to the new plant, relocate primary substation and service lines to the main plant.

11. REQUIREMENT: 62,000 KW ADEQUATE: 34,000 KW SUBSTANDARD: 39,660 KW

PROJECT: This is the fourth phase of a five-phase program to upgrade the existing substandard power plant by replacing unreliable generators and equipment in separate buildings with modern gear in one building.

REQUIREMENT: Reliable electrical power is required for mission essential facilities and to maintain the working/living environment at an acceptable level.

CURRENT SITUATION: The existing plant has 21 generators produced by five manufacturers. The generators are between 25 to 34 years old and require excessive maintenance and repair. Parts must be manufactured for the oldest units since replacement stock is not available. Clark Air Base does not have the capability to produce sufficient power with these antiquated units for its mission and relies upon commercial power to supplement on-base generating capability. Commercial power is extremely unreliable and complete power failure or extended "brown-out" periods are common where power is lost to various parts of the base when commercial demands exceed capability to produce commercial power. The Air Force must have capability to generate its electrical requirements to ensure it can meet mission requirements. Phases I, II and III provided 34,000 KW of adequate capacity at Clark Air Base. However, the

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3. INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES	
4. PROJECT TITLE UPGRADE POWER PLANT-PHASE IV	5. PROJECT NUMBER DVLK873300

remaining substandard equipment will not be able to carry the load on a sustained basis.
IMPACT IF NOT PROVIDED: Existing generators will become more unreliable due to age and scarcity of parts and Clark AB will be increasingly vulnerable to prolonged power outages. There will be a serious degradation of mission capability, personnel welfare and morale, and productivity.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION CLARK AIR BASE, PHILIPPINES		
4 PROJECT TITLE UPGRADE POWER PLANT - PHASE IV		5. PROJECT NUMBER DVLK873300

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JAN 25
	(b) Percent Complete as of January 1986	60
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Usec - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	786
	(b) All Other Design Costs	0
	(c) Total	786
	(d) Contract	696
	(e) In-house	90
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT		2 DATE
AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	
3 INSTALLATION AND LOCATION DIEGO GARCIA AIR BASE, INDIAN OCEAN	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 2.32

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1	11	0	0	0	0	0	0	0	12
b. END FY 19 91	3	12	0	0	0	0	0	0	0	15

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 Sept 85	137,990
c. AUTHORIZATION NOT YET IN INVENTORY	5,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,260
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	160,550

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-132	Global Positioning System Internet Facilities	5,100 SF	3,900	May 85	Mar 86
442-758	Vehicle Storage and Maintenance Support	2 EA	800	Dec 85	Mar 87
	Total		4,700		

9. Future Projects: (a) Included in Following Program (FY 88):

725-517	Harvest Eagle Cantonment	LS	12,000

(b) Typical Planned Next Three Years: None

10. Mission or Major Functions: Support of airlift to the Middle East and forward operating base. Scheduled to serve as a point on the Space Track observation and Global Positioning systems.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION DIEGO GARCIA AIR BASE, INDIAN OCEAN	4 PROJECT TITLE GLOBAL POSITIONING SYSTEM INTERNET FACILITIES

5 PROGRAM ELEMENT 3.51.10	6 CATEGORY CODE 131-132	7 PROJECT NUMBER WMSJ871011J	8 PROJECT COST ($000) 3,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLOBAL POSITIONING SYSTEM INTERNET FACILITIES	SF	5,100	540	2,754
SUPPORTING FACILITIES	LS			760
UTILITIES	LS			(530)
PAVEMENTS	LS			(105)
SITE IMPROVEMENTS	LS			(125)
SUBTOTAL				3,514
CONTINGENCY (5%)				176
TOTAL CONTRACT COST				3,690
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				203
TOTAL REQUEST				3,893
TOTAL REQUEST (ROUNDED)				3,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(18,000)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction includes reinforced concrete foundations and antenna supports, concrete walls and roof. Work includes paving and concrete walk and all support utilities necessary. Air Conditioning 50 tons.

11. REQUIREMENT: 5,100 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct Global Positioning System (GPS) internet facilities.

REQUIREMENT: Adequate facilities are required to support the internet of the GPS space navigation system and the Air Force Satellite Control Facility. GPS provides high quality global navigation to ships, aircraft and ground equipment.

CURRENT SITUATION: The Global Positioning System (GPS) maintains a worldwide system of satellites, monitoring stations, ground antennas with master control at the Consolidated Space Operation Center (CSOC). This system currently operates independant of the Air Force Satellite Control Facility (AFSCF) which maintains a system of remote stations for tracking of satellites. Interoperability of both systems will allow the GPS to support the AFSCF for increased survivability and efficiency.

IMPACT IF NOT PROVIDED: Inefficient use of the AFSCF and GPS antennas will continue to exist. Both systems will remain incompatible.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION DIEGO GARCIA AIR BASE, INDIAN OCEAN		
4. PROJECT TITLE GLOBAL POSITIONING SYSTEM INTERNET FACILITIES		5. PROJECT NUMBER WMSJ871011J

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 30
(b) Percent Complete as of January 1986	75
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	275
(b) All Other Design Costs	82
(c) Total	357
(d) Contract	315
(e) In-house	42

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Automated Data Processing Equipment	3080	88	18,000

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION KADENA AIR BASE, JAPAN	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.69

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	778	8,563	383	1	96	0	145	1,003	20	10,989
b. END FY 19 91	785	8,649	388	1	96	0	145	1,003	20	11,087

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (13,153)	
b. INVENTORY TOTAL AS OF 30 Sept 85	264,364
c. AUTHORIZATION NOT YET IN INVENTORY	27,650
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,365
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	22,850
f. PLANNED IN NEXT THREE PROGRAM YEARS	70,970
g. REMAINING DEFICIENCY	5,485
h. GRAND TOTAL	398,684

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
121-122	Add to and Alter Hydrant Refueling System Phase II		LS	7,100	May 85	May 86
214-425	Vehicle Corrosion Control Support Facility	2,320	SF	265	Sep 85	Apr 86
	Total			7,365		

9. Future Projects: Included in Following Program (FY 88):

121-122	Hydrant Fueling System	15	OL	4,015
141-782	Add to Air Freight Terminal	17,800	SF	1,600
211-000	Aircraft Maintenance Complex	37,050	SF	4,600
211-111	Transient Aircraft Maintenance Facility	2,500	SF	530
411-135	Jet Fuel Storage (J-4)-Phase II	200,000	BL	9,400
800-000	ECIP: Heating Ventilation and Airconditioning		LS	1,200
880-000	Fire Protection	93,665	SF	1,500

(b) Typical Planned Next Three Years:

141-784	Add to and Alter Passenger Terminal		LS	5,600
411-135	Jet Fuel Storage (JP-4) Phase III	100,000	BL	8,900
722-351	Dining Hall	14,500	SF	3,100

10. Mission or Major Functions: An Air Division Headquarters. Tactical fighter wing with three F-15 squadrons, and a tactical reconnaissance squadron with RF-4C aircraft; an aerospace rescue and recovery squadron with HC-130 and HH-3 aircraft; a military airlift detachment with C-12F; a strategic wing with KC-135 aircraft; an electronic security group; and rotational E-3 aircraft; a SR-71 reconnassance detachment; and host to several Navy units.

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION KADENA AIR BASE, JAPAN	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.69

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE

b. INVENTORY TOTAL AS OF

c. AUTHORIZATION NOT YET IN INVENTORY

d. AUTHORIZATION REQUESTED IN THIS PROGRAM

e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM

f. PLANNED IN NEXT THREE PROGRAM YEARS

g. REMAINING DEFICIENCY

h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding Pollution and safety (OSH) deficiencies:

a. Air pollution:	16,926
b. Water pollution	3,954
c. Occupational safety and health	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KADENA AIR BASE, JAPAN	4 PROJECT TITLE ADD TO AND ALTER HYDRANT FUELING SYSTEM - PHASE II

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 121-122	7 PROJECT NUMBER LXEZ874206	8 PROJECT COST ($000) 7,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER HYDRANT FUELING SYSTEM - PHASE II	LS			4,664
OPERATING TANKS PUMPS AND CNTL	LS			(2,024)
POL PIPING AND HYDRANT PITS	LS			(2,640)
SUPPORTING FACILITIES				1,785
WATER AND SEWER	LS			(100)
SITE IMPROVEMENT	LS			(435)
ROAD PAVEMENT REPLACEMENT	LS			(325)
COMMUNICATIONS	LS			(10)
ELECTRICAL DIST AND EMERGENCY PWR	LS			(915)
SUBTOTAL				6,449
CONTINGENCY (5%)				322
TOTAL CONTRACT COST				6,771
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				372
TOTAL REQUEST				7,143
TOTAL REQUEST (ROUNDED)				7,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical work necessary to upgrade existing deteriorated components of hydrant fueling system. Includes electrical controls, pumphouses, control pits, piping and operating tanks.

11. REQUIREMENT: As required.

PROJECT: Add to and alter existing hydrant fueling system.

REQUIREMENT: A reliable hydrant fueling system with adequate operational storage and servicing capability is required to meet current and contingency demands. Aircraft serviced include KC-135, E-3A, EC-10, and other aircraft. This is the second of a three-phase program to upgrade the existing deteriorated hydrant fueling system.

CURRENT SITUATION: The existing system was constructed to support B-36 aircraft in 1951 by over-the-wing fueling. Although the outlet system has been modernized to meet new aircraft requirements, the basic system has remained virtually unchanged. The 34-year old system is outmoded, difficult to maintain, and subject to frequent outages since repair parts are not readily available, and system components are beyond economical repair. Additionally, the operational storage capacity is inadequate to support required missions.

IMPACT IF NOT PROVIDED: The hydrant fueling system will continue to deteriorate at an accelerated pace, and excessive funds will be expended to make temporary fixes that will not extend its life expectancy. Critical component failure may limit operational capabilities.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KADENA AIR BASE, JAPAN		
4. PROJECT TITLE ADD TO AND ALTER HYDRANT REFUELING SYSTEM -PHASE II		5. PROJECT NUMBER LXEZ874206

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 30
	(b) Percent Complete as of January 1986	30
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 20
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	84
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	360
	(b) All Other Design Costs	0
	(c) Total	360
	(d) Contract	240
	(e) In-house	120
(4)	Construction start	87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION KIMHAE AIR BASE, KOREA	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	7	34	17	0	0	0	0	0	0	58
b. END FY 19 91	7	34	18	0	0	0	0	0	0	59

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (86)	
b. INVENTORY TOTAL AS OF 30 Sept 85	840
c. AUTHORIZATION NOT YET IN INVENTORY	10,653
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,620
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	300
h. GRAND TOTAL	15,413

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-758	PORTOMOD Warehouse	20,000 SF	570	Mar 84	May 86
724-100	Unaccompanied Personnel Housing	86 PN	3,050	Aug 84	Oct 85
	Total		3,620		

9. Future Projects: None

10. Mission or Major Functions: Provides corrosion control for F-15 aircraft and preventive depot maintenance for F-4 and C-130 aircraft. Scheduled to be used for prepositioning of medical supplies and other items.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION KIMHAE AIR BASE, KOREA	4 PROJECT TITLE UNACCOMPANIED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 724-100	7 PROJECT NUMBER MEPZ868410	8 PROJECT COST ($000) 3,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED PERSONNEL HOUSING (86 PN)	LS			2,165
UNACCOMPANIED PERSONNEL HOUSING	SF	35,400	93	(1,840)
DINING FACILITY	SF	3,500	110	(325)
SUPPORTING FACILITIES				575
ELECTRICAL SUPPORT	LS			(45)
WATER, SEWER AND DRAINAGE	LS			(65)
WATER AND SEWER TREATMENT	LS			(275)
SITE IMPROVEMENT	LS			(120)
PAVEMENTS	LS			(55)
COMMUNICATIONS SUPPORT	LS			(15)
SUBTOTAL				2,740
CONTINGENCY (5%)				137
TOTAL CONTRACT COST				2,877
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				158
TOTAL REQUEST				3,035
TOTAL REQUEST (ROUNDED)				3,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, structural frame, walls, roof system, fire protection system, utilities an necessary support. Includes bedrooms, baths, laundry, dining/recreation area, and support areas. Air Conditioning - 110 Tons. Grade Mix: 1 01-02, 9 03-010, 19 E2-E4, 47 E5-E6, 10 E7-E9

11. REQUIREMENT: 86 PN ADEQUATE: 0 SUBSTANDARD: 0 PN

PROJECT: Construct an unaccompanied personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied personnel with housing that will be conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to successful accomplishment of the increasingly complicated and important job these people must perform. Additionally, adequate dining facilities are required to provide proper food service support to assigned personnel. The lack of such quarters/dining facilities are irritants to these personnel and a known contributor to low enlistment/retention rates.

CURRENT SITUATION: There are no adequate living spaces or dining facilities at Kimhae. Assigned personnel are billeted 10 miles away, requiring a daily commute over narrow and congested roads. This project will provide for the full housing programming needs of the base and will provide an adequate dining area within the housing facility.

IMPACT IF NOT PROVIDED: An adequate living quarters/dining facility for unaccompanied personnel will continue to be unavailable resulting in degradation of morale, productivity and career satisfaction.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KIMHAE AIR BASE, KOREA		
4. PROJECT TITLE UNACCOMPANIED PERSONNEL HOUSING		5. PROJECT NUMBER MEPZ868410

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 AUG 20
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 OCT 31

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - OSAN

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	145
(b) All Other Design Costs	130
(c) Total	275
(d) Contract	145
(e) In-house	130
(4) Construction start	86 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	238	2,872	13	0	0	0	0	0	0	3,123
b. END FY 19 91	241	2,879	13	0	0	0	0	0	0	3,133

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,590)	
b. INVENTORY TOTAL AS OF 30 Sept 85	127,211
c. AUTHORIZATION NOT YET IN INVENTORY	11,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,020
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	21,280
f. PLANNED IN NEXT THREE PROGRAM YEARS	73,050
g. REMAINING DEFICIENCY	111,954
h. GRAND TOTAL	355,515

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113-321	Add to Aircraft Apron		LS	1,050	May 84	Oct 85
211-154	Aircraft Maintenance Unit Facility	8,800	SF	1,800	Apr 85	Apr 86
442-758	PORTOMOD Warehouse	20,000	SF	600	Jan 85	May 86
610-100	Aircraft Maintenance Management Facility	21,800	SF	2,050	Jan 85	Apr 86
610-127	Base Civil Engineer Facility	10,000	SF	840	Jan 85	May 86
610-200	Consolidated Support Facility (Appropriation Only)	34,600	SF	2,250*	May 84	Feb 86
812-220	Alter Electrical Distribution System-Phase II		LS	2,600	Apr 85	May 86
812-926	Security Lighting System		LS	1,650	Jan 85	May 86
842-245	Upgrade Water Distribution	15,000	LF	430	Jan 85	Jan 86
	Total Appropriation Request			13,270		
	Total Authorization Request			11,020		
	Carry-over Authorization in FY 86			2,250*		

9. Future Projects: (a) Included in Following Program (FY 88):

141-182	Alter Aircraft Shelter Doors	23	EA	11,000
730-771	Chapel	13,300	SF	1,450
740-000	Consolidated Personnel Support Complex	44,450	SF	4,050
812-225	Upgrade Electrical Distribution System-Phase II		LS	4,150
831-165	Sewage Treatment Plant		LS	630
	(b) Typical Planned Next Three Years:			
130-830	Security Police Facility	7,820	SF	1,150
730-441	Education Facility	16,660	SF	2,150
841-161	Upgrade Water System		LS	2,250

1. COMPONENT 87 AIR FORCE	FY 19___ MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

10. Mission or Major Functions: A tactical fighter wing with two F-16 squadrons.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	5,200
c.	Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS [illegible]

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA	4 PROJECT TITLE ADD TO AIRCRAFT APRON

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 113-321	7 PROJECT NUMBER MLWR867715	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AIRCRAFT APRON	LS			592
APRONS	SY	14,200	37	(525)
TAXIWAY	SY	1,500	45	(67)
SUPPORTING FACILITIES				340
ELECTRICAL	LS			(125)
SITE IMPROVEMENT	LS			(120)
WATER AND ROADS	LS			(95)
SUBTOTAL				932
CONTINGENCY (5%)				47
TOTAL CONTRACT COST				979
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				54
TOTAL REQUEST				1,033
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct concrete aircraft apron as an extension to the existing base flight apron, to include construction of leading taxiway, apron shoulder and all necessary uutilities and support.

11. REQUIREMENT: As required.

PROJECT: Extend aircraft parking apron.

REQUIREMENT: Parking apron, of adequate size and strength is required to provide space for parking, servicing and loading of airlift aircraft.

CURRENT SITUATION: There is insufficient aircraft apron space at Kunsan to accommodate all airlift aircraft. These aircraft now park on small pads adjacent to the primary parallel taxiway, closing the taxiway to all other aircraft. They also park alongside fighter aircraft quick turns which interferes with quick turn operations and poses an explosive safety hazard to passengers and cargo. Slow moving cargo loading/unloading equipment must use primary taxiways to access the aircraft. Interference between airlift aircraft, fighter aircraft, and equipment inhibits the ability of the base to adequately perform its flying mission. Crowded conditions will compound during contingencies which adversely impacts airlift response.

IMPACT IF NOT PROVIDED: Overcrowded ramp conditions will continue impacting the ability of the base to perform its mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE ADD TO AIRCRAFT APRON		5. PROJECT NUMBER MLWR867715

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 MAY 15
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 OCT 18

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	20
(b) All Other Design Costs	39
(c) Total	59
(d) Contract	26
(e) In-house	33

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
KUNSAN AIR BASE, KOREA	AIRCRAFT MAINTENANCE UNIT FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	211-154	MLWR877725	1,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE UNIT FACILITY	SF	8,800	100	880
SUPPORTING FACILITIES				741
ELECTRICAL	LS			(210)
SITE IMPROVEMENT	LS			(321)
COMMUNICATIONS	LS			(35)
PAVEMENTS	LS			(175)
SUBTOTAL				1,621
CONTINGENCY (5%)				81
TOTAL CONTRACT COST				1,702
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				94
TOTAL REQUEST				1,796
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, structural frame, walls, roof system, hardening with earth berm, fire protection, chemical warfare protection, and necessary support. Includes administrative space, storage area, tool issue room, ready room, support space and utilities. Air Conditioning - 30 tons.

11. REQUIREMENT: 17,000 SF ADEQUATE: 8,500 SUBSTANDARD: 10,000 SF

PROJECT: Construct a semi-hardened, chemical warfare protected Aircraft Maintenance Unit (AMU) facility.

REQUIREMENT: A semi-hardened, chemical warfare protected aircraft maintenance unit facility to support the flightline maintenance activities of an aircraft generation squadron maintenance branch. This facility provides administrative and material support space required by aircraft maintenance personnel to perform expedited turnaround maintenance on F-16 aircraft. A semi-hardened chemical warfare protected facility is required to protect essential maintenance personnel, equipment and material for continued effective aircraft maintenance support during actual conflict. The first AMU was approved in the FY 86 MCP.

CURRENT SITUATION: The two AMU's that support the mission are accommodated in undersized facilities. Aircraft maintenance work is accomplished in small dispersed areas in aircraft hangars resulting in the loss of span of control and reduction in productivity. Flightline support equipment is stored outside because of insufficient covered space. During a contingency, these units cannot function properly due to

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE UNIT FACILITY		5. PROJECT NUMBER MLWR877725

the separate locations of critical equipment. Existing facilities are located in a highly targeted area and are vulnerable to damage or destruction during an attack.

IMPACT IF NOT PROVIDED: The lack of adequate, functional facilities will continue to degrade aircraft maintenance and complicate support of tactical aircraft operations. Unprotected facilities will be vulnerable to damage.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

KUNSAN AIR BASE, KOREA

4. PROJECT TITLE AIRCRAFT MAINTENANCE UNIT FACILITY	5. PROJECT NUMBER MLWR877725

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 25
	(b) Percent Complete as of January 1986	85
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 APR 25
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - KUNSAN	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	79
	(b) All Other Design Costs	93
	(c) Total	172
	(d) Contract	119
	(e) In-house	53
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA	4 PROJECT TITLE AIRCRAFT MAINTENANCE MANAGEMENT FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-100	7 PROJECT NUMBER MLWR877718	8 PROJECT COST ($000) 2,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE MANAGEMENT FACILITY	SF	21,800	65	1,417
SUPPORTING FACILITIES				440
ELECTRICAL	LS			(185)
FUEL STORAGE TANK	LS			(65)
SITE IMPROVEMENTS	LS			(85)
WATER, SEWER, AND DRAINAGE	LS			(10)
COMMUNICATIONS	LS			(15)
PAVEMENTS	LS			(80)
SUBTOTAL				1,857
CONTINGENCY (5%)				93
TOTAL CONTRACT COST				1,950
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				107
TOTAL REQUEST				2,057
TOTAL REQUEST (ROUNDED)				2,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls, structural frame, roof system, chemical biological protection, fire protection system, all utilities and necessary support. Area includes administrative areas, storage, Automated Data Processing Equipment (ADPE) area and support space.
Air Conditioning: 60 Tons

11. REQUIREMENT: 21,800 SF ADEQUATE: 0 SUBSTANDARD: 16,200 SF

PROJECT: Construct an aircraft maintenance management facility.

REQUIREMENT: An adequate, consolidated aircraft maintenance management facility is required for the Deputy Commander for Maintenance staff, Equipment Maintenance Squadron and Component Repair Squadron, for management and control of F-16 aircraft maintenance functions.

CURRENT SITUATION: These functions are being housed in four separate facilities that were constructed between 1964 and 1970. All the facilities are extremely congested. One building is a temporary structure that is badly deteriorated and has outlived its life expectancy. These facilities are geographically separated, resulting in degradation of productivity and inefficient command and control of aircraft maintenance functions. One facility will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Personnel will continue to be housed in inadequate facilities. Command and control of maintenance activities will continue to be hindered due to the dispersal of the administrative functions.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE MANAGEMENT FACILITY		5. PROJECT NUMBER MLWR877718

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 31
(b) Percent Complete as of January 1986	70
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 01

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - OSAN

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	123
(b) All Other Design Costs	53
(c) Total	176
(d) Contract	0
(e) In-house	176

(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA	4 PROJECT TITLE CONSOLIDATED SUPPORT FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-200	7 PROJECT NUMBER MLWR867701	8 PROJECT COST ($000) 2,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED SUPPORT FACILITY	SF	34,600	50	1,730
SUPPORTING FACILITIES	LS			315
UTILITIES	LS			(110)
SPECIAL FOUNDATIONS	LS			(95)
SITE IMPROVEMENTS	LS			(60)
RELOCATION	LS			(50)
SUBTOTAL				2,045
CONTINGENCY (5%)				102
TOTAL CONTRACT COST				2,147
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				118
TOTAL REQUEST				2,265
TOTAL REQUEST (ROUNDED)				2,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation on piles and floor slab, structural frame, masonry walls, roof system, utilities and necessary support. Area includes offices, conference room, and support space. Air Conditioning: 100 Tons.

11. REQUIREMENT: 34,600 SF ADEQUATE: 0 SUBSTANDARD: 24,400 SF

PROJECT: Construct a base support facility to house a number of varied but related administrative and support functions.

REQUIREMENT: A combined facility is required to relocate the Combat Support Group staffs and working offices out of deteriorated administrative facilities to simplify operating procedures, improve efficiency and assure effective coordination and control of related command functions.

CURRENT SITUATION: The staff offices of the Combat Support Group are located in widely dispersed facilities, many of which are of wood frame construction that have long outlived their useful economic life. The facilities are inadequate in size and configuration; their age and condition make them uneconomical to upgrade, operate and maintain. Administrative, customer service and storage areas are overcrowded. They have inadequate lighting, poor insulation and obsolete electrical and mechanical systems. Additionally, because of the distance separating most of these functions, it is extremely time consuming and difficult to conduct all necessary business in a responsive amount of time. Seven deteriorated facilities will be disposed of on completion of this project.

IMPACT IF NOT PROVIDED: Maintenance costs will steadily increase and staff efficiency will continue to be less than adequate due to physical deterioration, functional obsolescence and excessive travel time.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE CONSOLIDATED SUPPORT FACILITY		5. PROJECT NUMBER MLWR867701

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 MAY 24
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 FEB 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	107
(b) All Other Design Costs	54
(c) Total	161
(d) Contract	113
(e) In-house	48

(4) Construction start	86 JUL

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA	4 PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM, PHASE-II

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 812-220	7 PROJECT NUMBER MLWR877711	8 PROJECT COST ($000) 2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER ELECTRICAL DISTRIBUTION SYSTEM, PHASE II	LS			2,263
SUPPORTING FACILITIES				85
SUBTOTAL				2,348
CONTINGENCY (5%)				117
TOTAL CONTRACT COST				2,465
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				136
TOTAL REQUEST				2,601
TOTAL REQUEST (ROUNDED)				2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Underground primary distribution lines and replace primary switch station hardware. Includes fencing, mounting pads and all necessary support.

11. REQUIREMENT: As required.

PROJECT: An electrical distribution system.

REQUIREMENT: An electrical distribution system, with sufficient capacity and with switching capability for peak load demands, is required to provide reliable and adequate power to each base facility. Increasing power demand have generated a need for an upgraded electrical distribution system to accommodate loads with a uniform voltage system to support general base operations, mission essential facilities and new facilities planned for construction. This is the final phase of a two phase project to upgrade the electrical distribution system at Kunsan AB.

CURRENT SITUATION: The base primary distribution system is Korean War vintage and requires replacement. Switching station hardware is no longer manufactured and has no spares. The oil circuit breakers are antiquated, unreliable, and replacement parts are not available. The present system consists of overhead and underground distribution lines which do not have the capacity to support power loads. Portions of the system are not rated for the voltage applied

IMPACT IF NOT PROVIDED: Base operation, moderization and expansion cannot be undertaken due to the lack of a modern and efficient electrical distribution system. The distribution system is deteriorated resulting in unscheduled power outages and unstable voltage.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE ALTER ELECTRICAL DISTRIBUTION SYSTEM, PHASE-II		5. PROJECT NUMBER MLWR877711

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 APR 25
(b)	Percent Complete as of January 1986	70
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	139
(b)	All Other Design Costs	84
(c)	Total	223
(d)	Contract	139
(e)	In-house	84

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**		2 DATE
3 INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		4 PROJECT TITLE SECURITY LIGHTING SYSTEM	
5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 812-926	7 PROJECT NUMBER MLWR897708	8 PROJECT COST ($000) 1,650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY LIGHTING SYSTEM	LS			826
SECURITY LIGHTING	LS			(314)
CONCRETE POLE W/CONDUIT AND FOOTINGS	LS			(232)
WIRING SYSTEM	LS			(280)
SUPPORTING FACILITIES				650
STANDBY GENERATORS	LS			(225)
SITE IMPROVEMENTS	LS			(250)
PAVEMENT WORK	LS			(175)
SUBTOTAL				1,476
CONTINGENCY (5%)				74
TOTAL CONTRACT COST				1,550
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				85
TOTAL REQUEST				1,635
TOTAL REQUEST (ROUNDED)				1,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Installation of security lighting system including light fixtures, poles and primary and secondary lines. Backup generators will be provided. Areas include POL storage area, aircraft dispersal parking area, and munitions storage area.

11. REQUIREMENT: As Required.

PROJECT: Install area and boundary security lighting system.

REQUIREMENT: A security lighting system is required to safeguard parked aircraft, stored munitions and bulk fuel storage. Adequate, effective security lighting is required to properly illuminate aircraft, munitions igloos and fuel tanks to assist roving patrols and serve as a deterrent to potential aggressors.

CURRENT SITUATION: The aircraft parking apron, the munitions storage area, and the fuel storage areas border the base perimeter fence and are vulnerable to sabotage or terrorist activities. Security patrol surveillance is limited because of inadequate lighting in these areas.

IMPACT IF NOT PROVIDED: High value Air Force assets will continue to be placed at risk due to inadequate security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE SECURITY LIGHTING SYSTEM		5. PROJECT NUMBER MLWR897708

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JAN 30
	(b) Percent Complete as of January 1986	85
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 02
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	90
	(b) All Other Design Costs	12
	(c) Total	102
	(d) Contract	0
	(e) In-house	102
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION KWANG-JU AIR BASE, KOREA	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	14	413	1	0	0	0	0	0	0	428
b. END FY 1991	13	364	1	0	0	0	0	0	0	378

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (329)	
b. INVENTORY TOTAL AS OF 30 Sept 85	22,702
c. AUTHORIZATION NOT YET IN INVENTORY	16,310
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,210
f. PLANNED IN NEXT THREE PROGRAM YEARS	24,350
g. REMAINING DEFICIENCY	10,304
h. GRAND TOTAL	75,476

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-758	PORTOMOD Warehouse	20,000 SF	600	Dec 84	May 86
724-415	UOPH (Appropriation only)	16 PN	650*	Jun 84	May 86
	Total Appropriation Request		1,250		
	Total Authorization Request		600		
	Carry-over Authorization in FY 86		650*		

9. Future Projects: (a) Included in Following Program (FY 88):

852-261	WRM Vehicle Parking	20,000 SY	1,210

(b) Typical Planned Next Three Years:

141-182	Alter Aircraft Shelter Doors	21 EA	8,100
812-223	Upgrade Electrical System	LS	2,000

10. Mission or Major Functions: A contingency base with a USAF caretaker squadron with a combat information systems squadron assigned. Located on a Korean base.

Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	1,300
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.69

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	253	2,822	64	0	0	0	141	1,357	21	4,658
b. END FY 19 91	312	3,593	74	0	0	0	141	1,357	21	5,498

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,292)	
b. INVENTORY TOTAL AS OF 30 Sept 85	108,075
c. AUTHORIZATION NOT YET IN INVENTORY	9,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	76,600
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	212,675

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
422-264	Concrete Arch Igloo Magazines	14,000 SF	3,050	Mar 85	Oct 86
422-275	Munitions Preload Complex	LS	7,250	Mar 85	Oct 86
	Total		10,300		

9. Future Projects: (a) Included in Following Program (FY 88):

100-000	Commando Port - Phase V	LS	4,200
112-211	Taxiway Flowthru and Pad	21,593 CY	3,000
130-142	Add to and Alter Fire Station	11,800 SF	660
130-835	Add to and Alter Security Police Operations Facility	3,740 SF	340

(b) Typical Planned Next Three Years:

116-652	Hazardous Cargo Pad	28,700 SF	1,500
141-181	Hardened Aircraft Shelters	6 EA	12,400
721-312	Unaccompanied Enlisted Personnel Housing	40 PN	3,800

10. Mission or Major Functions: Tactical fighter wing with one F-16 squadron; second squadron to activate FY 87; an electonic security group and USAF hospital. Hosts several Naval operations.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	7,145
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN	4. PROJECT TITLE CONCRETE ARCH IGLOO MAGAZINES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8 PROJECT COST ($000)
2.71.33	422-264	QKKA872070	3,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONCRETE ARCH IGLOO MAGAZINES	SF	14,000	91	1,274
SUPPORTING FACILITIES				1,445
SITE IMPROVEMENTS	LS			(750)
PAVEMENTS	LS			(285)
SPECIAL FOUNDATIONS	LS			(215)
UTILITIES	LS			(195)
SUBTOTAL				2,719
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,855
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				157
TOTAL REQUEST				3,012
TOTAL REQUEST (ROUNDED)				3,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations, floor slab and arch. Project includes all necessary utilities, site improvements, pavements, including access roads and aprons, earth berms, and detection/alarm systems.

11. REQUIREMENT: 61,290 SF ADEQUATE 47,250 SF SUBSTANDARD: 0

PROJECT: Construct nine concrete arch igloo magazines.

REQUIREMENT: Concrete arch earth-covered igloo magazines are required to safely store mass detonating explosive munitions. An adequate amount of prepositioned munitions are required for contingency operations. There is insufficient igloo storage space to accommodate munitions required to provide full mission support to F-16s during contingencies. Missions capability at Misawa will be adversely affected during contingencies without the required munitions.

CURRENT SITUATION: Existing facilities are inadequate to accommodate the programmed mission beddown. Alteration of existing facilities and construction of new facilities are required to meet mission capability requirements. New facilities are planned only when there is no existing facility available or where the existing facility cannot be economically added to or altered. This request is the final phase of a four phase MILCON program providing for the US portion of the total beddown construction requirements. Government of Japan funding has also been requested in phases over the Japanese FY 84-88 period providing for their portion of the total beddown construction requirements.

IMPACT IF NOT PROVIDED: Required functions cannot be accomplished for the mission aircraft, and mission capability will be adversely affected.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN		
4. PROJECT TITLE CONCRETE ARCH IGLOO MAGAZINES		5. PROJECT NUMBER 0KKA872070

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 MAR 14
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 OCT 01
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used - MISAWA	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	93
(b) All Other Design Costs	42
(c) Total	135
(d) Contract	99
(e) In-house	36
(4) Construction start	87 AUG

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN		4 PROJECT TITLE MUNITIONS PRELOAD COMPLEX	
5 PROGRAM ELEMENT 2.71.33	6 CATEGORY CODE 422-275	7 PROJECT NUMBER QKKA872401	8 PROJECT COST ($000) 7,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MUNITIONS PRELOAD COMPLEX	LS			1,494
PRELOAD BUILDINGS (2)	SF	13,000	35	(455)
MISSILE ASSEMBLY BUILDING	SF	4,200	94	(395)
BOMB ASSEMBLY BUILDING	SF	6,955	46	(320)
MINE ASSEMBLY BUILDING	SF	3,300	86	(284)
MER/TER FACILITY	SF	520	77	(40)
SUPPORTING FACILITIES				5,054
SITE IMPROVEMENTS	LS			(1,595)
HOLDING PADS AND PAVEMENTS	LS			(1,425)
UTILITIES	LS			(1,380)
REVETMENTS	LS			(654)
SUBTOTAL				6,548
CONTINGENCY (5%)				327
TOTAL CONTRACT COST				6,875
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				378
TOTAL REQUEST				7,253
TOTAL REQUEST (ROUNDED)				7,250
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(167)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundations and floor slabs, concrete masonry walls, ribbed metal and built-up roofing. Includes earth filled steel walled revetments, concrete holding pads and pavements and all necessary utilities, communications, site improvements and chemical biological protection.

11. REQUIREMENT: As required.

PROJECT: Construct a munitions preload complex consisting of holding pads munitions assembly buildings, and preload buildings.

REQUIREMENT: A munitions preload complex consisting of holding pads and assembly buildings are required to arm F-16s to meet contingency sortie rate requirements. There are no facilities available to permit preloading of bombs and munitions. Without preload facilities, aircraft would have to be loaded at each parking stub which is too slow to meet contingency sortie rates and is a hazard for aircraft and personnel working on adjacent aircraft. This project will provide adequate facilities to safely and efficiently arm F-16s to meet sortie rates required by operational plans. The F-16 mission will be adversely impacted without these preload facilities.

CURRENT SITUATION: Existing facilities are inadequate to accommodate the programmed mission beddown. Alteration of existing facilities and construction of new facilities are required to meet mission capability requirements. New facilities are planned only when there is no existing facility available or where the existing facility cannot be economically added to or altered. This FY 87 request is Phase IV of a 5-phase MILCON program providing for the US portion of the total beddown construction

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN		
4. PROJECT TITLE MUNITIONS PRELOAD COMPLEX		5. PROJECT NUMBER QKKA872401

requirements. Government of Japan funding has been requested for a 4-phase construction program over the Japanese FY 84-88 period providing for their portion of the total beddown construction requirements. IMPACT IF NOT PROVIDED: Required functions cannot be accomplished for the mission aircraft, and mission capability will be adversely affected.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MISAWA AIR BASE, JAPAN		
4. PROJECT TITLE MUNITIONS PRELOAD COMPLEX		5. PROJECT NUMBER QKKA872401

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAR 14
(b)	Percent Complete as of January 1986	50
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 OCT 01

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - OSAN

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	248
(b)	All Other Design Costs	70
(c)	Total	318
(d)	Contract	248
(e)	In-house	70

(4) Construction start 87 AUG

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	546	4,482	81	0	0	0	38	111	4	5,262
b. END FY 19 91	574	5,017	86	0	0	0	38	111	4	5,830

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (2,467)	
b INVENTORY TOTAL AS OF 30 Sept 85	119,030
c AUTHORIZATION NOT YET IN INVENTORY	25,610
d AUTHORIZATION REQUESTED IN THIS PROGRAM	17,800
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	28,460
f PLANNED IN NEXT THREE PROGRAM YEARS	27,850
g REMAINING DEFICIENCY	99,970
h GRAND TOTAL	318,720

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
210-000	Munitions Maintenance and Storage Facilities-Phase II	LS	5,950	May 85	Jun 86
211-174	Aircraft Maintenance Facilities	LS	3,000	Apr 85	May 86
722-351	Alter Airmen Dining Hall	16,800 SF	1,150	Dec 84	Mar 86
730-773	Chapel Center	19,000 SF	2,300	Dec 84	May 86
812-223	Add to and Alter Primary Electrical Distribution System	LS	5,400	Apr 85	Mar 86
	Total		17,800		

9. Future Projects: (a) Included in Following Program (FY 88):

141-784	Passenger Terminal	70,800 SF	7,200
149-962	Alter Control Tower	1 EA	400
442-758	RRR Equipment Storage	LS	1,000
721-312	Unaccompanied Enlisted Personnel Housing	400 PN	4,600
740-000	Consolidated Personnel Support Complex	61,170 SF	4,700
812-223	Upgrade Primary Electric Distribution	LS	5,100
831-165	Sewage Treatment Plant	LS	4,500
851-147	Convoy Road	14,520 LF	960

(b) Typical Planned Next Three Years:

121-222	Hydrant Refueling	1,200 GM	7,200
141-453	Base Operations Facility	8,700 SF	1,000
800-000	ECIP	LS	1,900

10. Mission or Major Functions: An Air Division Headquarters. A tactical fighter wing with F-4 aircraft; a tactical air support squadron with OA-37 aircraft; and an aerospace rescue and recovery squadron with CH-3/HH-3 aircraft.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA	4 COMMAND PACIFIC AIR FORCES	5 AREA CONSTR COST INDEX 0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE
b INVENTORY TOTAL AS OF
c AUTHORIZATION NOT YET IN INVENTORY
d AUTHORIZATION REQUESTED IN THIS PROGRAM
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f PLANNED IN NEXT THREE PROGRAM YEARS
g REMAINING DEFICIENCY
h GRAND TOTAL

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	5,029
c. Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA	4 PROJECT TITLE MUNITIONS MAINTENANCE AND STORAGE FACILITIES, PHASE II

5 PROGRAM ELEMENT 2.80.30	6 CATEGORY CODE 210-000	7 PROJECT NUMBER SMYU878052	8 PROJECT COST ($000) 5,950

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MUNITIONS MAINTENANCE AND STORAGE FACILITIES, PHASE II	LS			3,187
MUNITIONS EQUIP SHOP/STORAGE	SF	11,500	65	(747)
IGLOOS	SF	11,200	100	(1,120)
CONVENTIONAL MUNITIONS SHOP	SF	6,300	72	(453)
MUNITIONS CONTROL BUILDING	SF	5,400	63	(340)
SURVEILLANCE & INSPECTION SHOP	SF	3,700	75	(277)
SPARES, INERT STORAGE	SF	5,000	50	(250)
SUPPORTING FACILITIES				2,185
UTILITIES	LS			(660)
PAVEMENTS	LS			(565)
SITE IMPROVEMENTS	LS			(960)
SUBTOTAL				5,372
CONTINGENCY (5%)				269
TOTAL CONTRACT COST				5,641
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				310
TOTAL REQUEST				5,951
TOTAL REQUEST (ROUNDED)				5,950

10 DESCRIPTION OF PROPOSED CONSTRUCTION Igloos: Reinforced concrete footings, foundations, floor slab, steel arch (earth-mounded). Other Facilities: Reinforced concrete footings, foundations, and floor slabs; walls, roof system, earth and concrete revetments, and chemical protection. Includes security and fire protection systems, utilities and necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct six steel arch igloo magazines and munitions maintenance and storage facilities.

REQUIREMENT: The successful defense of South Korea, in the event of an armed conflict, is highly dependent upon a prepositioned conventional muntions storage capability sufficient to sustain a combat level until resupply can be effected. These munitions must be protected from attack and be stored at or near the operating location. Adequate space, properly sized, and configured, is required in which munitions maintenance functions can be safely and effectively performed. This is the second phase of a three-phase program which will eventually provide all of the munitions maintenance and storage facilities required to adequately support the operational mission at Osan Air Base.

CURRENT SITUATION: Total munitions required to support South Korean defense plans are not available at Osan due to lack of storage igloos and adequate munition inspection, maintenance, and management facilities. Existing facilities are inadequate, deteriorated and physically separated, which hinders management and control of maintenance functions. Storage of munitions is severely limited due to close proximity of the storage facilities to the civilian population.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4 PROJECT TITLE MUNITIONS MAINTENANCE AND STORAGE FACILITIES, PHASE II		5. PROJECT NUMBER SMYU878052

Maintenance facilities are undersized and improperly sited, causing some operations to be performed at other locations. The surveillance and inspection shop is restricted from use, and proper parking and storage does not exist for equipment and vehicles, requiring munitions equipment to be kept in a temporary structure or under tarpaulins, and vehicles and trailers to be parked along roads.

IMPACT IF NOT PROVIDED: Korean defense operations will be hampered by the lack of adequate munitions support.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE MUNITIONS MAINTENANCE AND STORAGE FACILITIES PHASE II		5. PROJECT NUMBER SMYU878052

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 01
(b) Percent Complete as of January 1986	65
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 01

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - MISAWA

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	235
(b) All Other Design Costs	135
(c) Total	370
(d) Contract	235
(e) In-house	135
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		4 PROJECT TITLE AIRCRAFT MAINTENANCE FACILITIES	
5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 211-174	7 PROJECT NUMBER SMYU898090	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT MAINTENANCE FACILITIES	LS			2,077
MAINTENANCE FACILITIES	SF	31,000	66	(2,046)
LOX CART MAINTENANCE FACILITY	SF	450	71	(31)
SUPPORTING FACILITIES				630
COMMUNICATIONS SUPPORT	LS			(25)
UTILITIES	LS			(555)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				2,707
CONTINGENCY (5%)				135
TOTAL CONTRACT COST				2,843
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				156
TOTAL REQUEST				2,998
TOTAL REQUEST (ROUNDED)				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION High bay, semi-hardened aircraft maintenance facility with concrete foundation and floor slab, masonry walls, roof system, fire suppression system, utilities and necessary support. A separate LOX cart maintenance building will be constructed of concrete foundation and floor slab, metal walls, and roof system.
Air conditioning: 30 Tons.

11. REQUIREMENT: As Required.
PROJECT: Construct aircraft maintenance facilities.
REQUIREMENT: Adequate facilities, properly sized and centrally located, are required to house aircraft maintenance functions.
CURRENT SITUATION: Existing aircraft maintenance functions are housed in eleven substandard pre-engineered buildings and trailers relocated from Southeast Asia. Their configuration and size do not lend themselves to proper utilization resulting in poor working conditions and reduced morale. Also, they have poor lighting, are energy inefficient and have ineffective heating and ventilation. Their scattered locations cause increased transportation costs and create management/communications problems. Five high resource consuming buildings that have deteriorated beyond economical repair will be demolished on the completion of this project.
IMPACT IF NOT PROVIDED: Aircraft maintenance will continue to be performed under substandard conditions adversely affecting the repair and fabrication of aircraft components and morale of personnel. This could have a detrimental impact on mission capability.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE FACILITIES		5. PROJECT NUMBER SMYU898090

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 APR 23
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 09
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	170
(b) All Other Design Costs	22
(c) Total	192
(d) Contract	0
(e) In-house	192
(4) Construction start	87 MAY

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA	4 PROJECT TITLE ALTER AIRMEN DINING HALL

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 722-351	7 PROJECT NUMBER SMYU878083	8 PROJECT COST ($000) 1,150

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AIRMEN DINING HALL	SF	16,800	49	823
SUPPORTING FACILITIES				160
UTILITIES	LS			(30)
PAVEMENTS	LS			(5)
SITE IMPROVEMENTS	LS			(125)
SUBTOTAL				983
CONTINGENCY (10%)				98
TOTAL CONTRACT COST				1,081
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				59
TOTAL REQUEST				1,140
TOTAL REQUEST (ROUNDED)				1,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical alterations required to upgrade the airmen dining facility. Includes renovation of kitchen, serving line, utilities, installation of automatic sprinkler system, and necessary support.

11. REQUIREMENT: 34,200 SF ADEQUATE: 17,400 SF SUBSTANDARD: 16,800 SF

PROJECT: Alter an existing airmen dining hall.

REQUIREMENT: Upgrading of the dining hall is essential to improve functional layout, enhance operational efficiency and safety, and comply with food preparation and service standards. At this overseas location where there are no approved off-base dining facilities, an adequate dining facility is especially critical to assure personnel health, maintain morale and to support mission requirements.

CURRENT SITUATION: The dining hall was constructed in 1958. The kitchen, clipper rooms, and service lines are outdated, inadequate, and not properly arranged or designed to handle current food service requirements. They cannot effectively support progressive cooking concepts or the a la carte systems which were implemented to achieve more economic operations and improved food preparation and service for assigned enlisted personnel. Existing conditions do not allow proper customer flow, efficient and safe operations, and sanitary food preparation and service. Inefficient operation, customer dissatisfaction and extensive service line delays have resulted.

IMPACT IF NOT PROVIDED: Inefficient operations, customer dissatisfaction and extensive service delays will continue.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE ALTER AIRMEN DINING HALL		5. PROJECT NUMBER SMYU878083

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 DEC 23
	(b) Percent Complete as of January 1986	65
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAR 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	70
	(b) All Other Design Costs	54
	(c) Total	124
	(d) Contract	85
	(e) In-house	39
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA	4 PROJECT TITLE CHAPEL CENTER

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 730-773	7 PROJECT NUMBER SMYU878026	8 PROJECT COST ($000) 2,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHAPEL CENTER	SF	19,000	89	1,691
SUPPORTING FACILITIES				375
UTILITIES	LS			(95)
PAVEMENTS	LS			(105)
SITE IMPROVEMENTS	LS			(175)
SUBTOTAL				2,066
CONTINGENCY (5%)				103
TOTAL CONTRACT COST				2,169
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				119
TOTAL REQUEST				2,288
TOTAL REQUEST (ROUNDED)				2,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls, roof system, fire protection system, utilities, and necessary support. Area includes narthex, ark, chancel with altar, pulpit, lectern, nave, choir area, chaplain's sacristy, activity rooms, offices, kitchen, and support areas. Air Conditioning: 75 Tons

11. REQUIREMENT: 19,000 SF ADEQUATE: 0 SUBSTANDARD: 9,509 SF

PROJECT: Construct a chapel center.

REQUIREMENT: Adequate facilities are required for conducting worship, education, group activities, social and cultural programs.

CURRENT SITUATION: The existing chapel and religious education facilities are Southeast Asia retrograde prefabricated buildings that are deteriorated beyond economical repair and are seriously overcrowded. There are no religious services conducted in English off-base. The number of services have been increased to accommodate the base population and the facilities are saturated. This is expected to be exacerbated with the addition of dependents when the new family housing units are completed. This project will allow the demolition of three high resource consuming facilities.

IMPACT IF NOT PROVIDED: Religious activities and education programs cannot be expanded to support the growing dependent population. Religious support and guidance will be severely limited.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4 PROJECT TITLE CHAPEL CENTER		5. PROJECT NUMBER SMYU878026

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 DEC 23
(b)	Percent Complete as of January 1986	65
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	110
(b)	All Other Design Costs	62
(c)	Total	172
(d)	Contract	132
(e)	In-house	40

(4) Construction start 87 MAY

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2 DATE -
3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		4 PROJECT TITLE ADD TO AND ALTER PRIMARY ELECTRICAL DISTRIBUTION SYSTEM	
5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 812-223	7 PROJECT NUMBER SMYU878040	8 PROJECT COST ($000) 5,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER PRIMARY ELECTRICAL DISTRIBUTION SYSTEM	LS			4,600
PRIMARY ELECTRIC DIST SYSTEM	LS			(2,800)
ELECTRIC SUBSTATION	KV	30,000	60	(1,800)
SUPPORTING FACILITIES				270
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(260)
SUBTOTAL				4,870
CONTINGENCY (5%)				244
TOTAL CONTRACT COST				5,114
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				281
TOTAL REQUEST				5,395
TOTAL REQUEST (ROUNDED)				5,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct new electrical substation and associated distribution line. Includes power lines, insulators, pole line hardware, high voltage transformers and capacitors.

11. REQUIREMENT: As required.

PROJECT: Construct an electrical substation and alter primary distribution lines.

REQUIREMENT: Alterations and additions to the primary electrical system are necessary to provide an efficient, reliable power supply. To meet these demands, a new electrical substation is necessary. The substation will improve the load factor of the distribution system to accommodate an increase in demand due to new missions and new facilities.

CURRENT SITUATION: The existing primary electrical distribution system consists of overhead and underground 6.6 KV lines. Electrical power demand for calendar year 1987 will exceed the capacity of the existing systems.

IMPACT IF NOT PROVIDED: The distribution system will be overloaded and result in unscheduled power outages and unstable voltages for users. This will impact readiness, produce a decline in productivity, and be a source of irritation to assigned persons.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE ADD TO AND ALTER PRIMARY ELECTRICAL DISTRIBUTION SYSTEM		5. PROJECT NUMBER SMYU878040

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 APR 16
(b)	Percent Complete as of January 1986	90
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAR 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	202
(b)	All Other Design Costs	130
(c)	Total	332
(d)	Contract	202
(e)	In-house	130

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SAIPAN, NORTHERN MARIANA ISLANDS	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 2.50

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE ( )	
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-132	Pacific Radar Barrier III	LS	5,200	Apr 85	Apr 86

9. Future Projects: None

10. Mission or Major Functions: Saipan - Pacific Barrier Radar Site

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SAIPAN, NORTHERN MARIANA ISLANDS	4 PROJECT TITLE PACIFIC RADAR BARRIER III

5 PROGRAM ELEMENT 1.24.24	6 CATEGORY CODE 131-132	7 PROJECT NUMBER ZZZZ860002	8 PROJECT COST ($000) 5,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PACIFIC RADAR BARRIER III	LS			2,575
RADAR OPERATIONS BLDG	SF	5,500	270	(1,485)
GENERATOR/SHOP BLDG	SF	2,400	310	(744)
GUARD HOUSE	SF	175	400	(70)
BORESIGHT BLDG	SF	125	390	(48)
ANTENNA FOUNDATION	LS			(183)
BORESIGHT TOWER	LS			(45)
SUPPORTING FACILITIES				2,115
COMMUNICATIONS SUPPORT	LS			(85)
UTILITIES	LS			(2,030)
SUBTOTAL				4,690
CONTINGENCY (5%)				235
TOTAL CONTRACT COST				4,925
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				271
TOTAL REQUEST				5,196
TOTAL REQUEST (ROUNDED)				5,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete, foundations and floor slabs for four buildings. Includes reinforced concrete antenna foundations, primary and secondary electrical power, asphaltic paving for roads and parking, concrete water storage facility and all necessary support utilities. Air Conditioning - 75 tons.

11. REQUIREMENT: As required.

PROJECT: Construct facilities for the Pacific Barrier Radar III.

REQUIREMENT: Adequate facilities are required to support the Pacific Barrier Radar (PACBAR) system. The PACBAR system provides early detection and tracking of space launches in the pacific corridor. PACBAR III will provide radar coverage in an area in this corridor currently without coverage.

CURRENT SITUATION: PACBAR I and II, at Kwajalein and in the Philippines respectively, provides radar coverage in that area of the pacific. However, there is a gap of coverage between Kwajalein and the Philippines.

IMPACT IF NOT PROVIDED: A gap in the acquisition and tracking of foreign space launches in this region will continue. This will result in loss of critical orbital vehicle data.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SAIPAN, NORTHERN MARIANA ISLANDS		
4. PROJECT TITLE PACIFIC RADAR BARRIER III		5. PROJECT NUMBER ZZZZ860002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
(a)	Date Design Started	85 APR 30
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 APR 15
(2)	Basis	
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	249
(b)	All Other Design Costs	154
(c)	Total	403
(d)	Contract	403
(e)	In-house	0
(4)	Construction start	86 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT		2 DATE
AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
SUWON AIR BASE, KOREA	PACIFIC AIR FORCES	0.85

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	68	947	64	0	0	0	0	0	0	1,079
b. END FY 19 91	75	956	26	0	0	0	0	0	0	1,057

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (21)	
b INVENTORY TOTAL AS OF 30 Sept 85	2,205
c AUTHORIZATION NOT YET IN INVENTORY	3,050
d AUTHORIZATION REQUESTED IN THIS PROGRAM	3,850
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,670
f PLANNED IN NEXT THREE PROGRAM YEARS	800
g REMAINING DEFICIENCY	5,256
h GRAND TOTAL	17,831

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
212-213	Munition Maintenance and Storage Facilities	15,200 SF	3,250	May 85	Jun 86
442-758	PORTOMOD Warehouse	20,000 SF	600	Aug 85	May 86
		Total	3,850		

9. Future Projects: (a) Included in Following Program (FY 88):

422-200	Multicell Igloo/ Munitions Preload Facility	LS	2,670
	(b) Typical Planned Next Three Years:		
740-665	Skill Development Center	4,000 SF	800

10. Mission or Major Functions: A ROKAF base with the USAF as a tenant unit with a squadron of 24 A-10's. 51 TFW, OSAN AB is the parent wing

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION SUWON AIR BASE, KOREA	4 PROJECT TITLE MUNITIONS MAINTENANCE AND STORAGE FACILITIES

5 PROGRAM ELEMENT 2.80.30	6 CATEGORY CODE 212-213	7 PROJECT NUMBER WNHO868205	8 PROJECT COST ($000) 3,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MUNITIONS MAINTENANCE AND STORAGE FACILITIES	LS			1,712
MISSILE MAINTENANCE BUILDING	SF	9,600	120	(1,152)
STORAGE IGLOOS	SF	5,600	100	(560)
SUPPORTING FACILITIES				1,220
COMMUNICATIONS	LS			(10)
OTHER SUPPORTING FACILITIES	LS			(585)
PAVEMENTS	LS			(155)
SITE IMPROVEMENTS	LS			(470)
SUBTOTAL				2,932
CONTINGENCY (5%)				147
TOTAL CONTRACT COST				3,079
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				169
TOTAL REQUEST				3,248
TOTAL REQUEST (ROUNDED)				3,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Missile maintenance building: reinforced concrete foundation, floor slab and walls, roof system and earth revetment. Igloos: Reinforced concrete footings, foundations, floor slab, steel arch (earth-mounded). Includes all utilities and necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct a missile maintenance building and three steel arch igloo magazines.

REQUIREMENT: The successful defense of South Korea in the event of an armed conflict is highly dependent upon prepositioned conventional munitions storage capability sufficient to sustain a combat level until resupply can be effected. These munitions must be protected from attack and be stored at or near the operating location.

CURRENT SITUATION: The current missile maintenance building and storage structures cannot be used to assemble and store all missile types because they are improperly sized and configured. The dimensions of the doors and bays of existing facilities do not permit the complete assembly and free movement of assembled missiles in containers. Currently, these missiles are unassembled, located away from the flightline. During a contingency, these missiles must be convoyed to the flightline where they would be assembled, checked out, and loaded on the aircraft. This approach would not be timely or logistically supportable while the base is under air and ground attack.

IMPACT IF NOT PROVIDED: Wartime capability will be degraded by lack of adequate facilities to maintain and store missiles. Wartime sorties will be lost and attainment of air superiority will be seriously impaired.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SUWON AIR BASE, KOREA		
4. PROJECT TITLE MUNITIONS MAINTENANCE AND STORAGE FACILITIES		5. PROJECT NUMBER WNHQ868205

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 01
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	98
(b) All Other Design Costs	78
(c) Total	176
(d) Contract	98
(e) In-house	78

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION TAEGU AIR BASE, KOREA	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	60	632	130	0	0	0	0	0	0	822
b. END FY 19 91	18	633	96	0	0	0	0	0	0	847

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (379)	
b. INVENTORY TOTAL AS OF 30 Sept 85	22,067
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	24,850
g. REMAINING DEFICIENCY	14,436
h. GRAND TOTAL	67,823

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-758	PORTOMOD Warehouse	40,000 SF	1,070	Dec 84	May 86
722-351	Airmen Dining Hall	15,100 SF	2,350	May 85	Apr 86
724-415	Unaccompanied Officer Personnel Housing	40 PN	1,750	May 85	Aug 86
	Total		5,170		

9. Future Projects: (a) Included in Following Program (FY 88):

217-000	Add to and Alter Maintenance and Storage Facilities	12,000 SF	1,300
	(b) Typical Planned Next Three Years:		
141-182	Aircraft Shelter Doors	LS	4,500
510-001	Medical/Dental Clinic	11,000 SF	4,200
821-146	Upgrade Sewage Distribution System	LS	2,000

10. Mission or Major Functions: A ROKAF base with the USAF as a tenant unit with a squadron of 12 F-4E's. 51 TFW, Osan AB is the parent wing. Base going to Standby Deployment Base Status.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	2,650
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION TAEGU AIR BASE, KOREA	4 PROJECT TITLE PORTOMOD WAREHOUSE

5 PROGRAM ELEMENT 2.80.31	6 CATEGORY CODE 442-758	7 PROJECT NUMBER WPZQ858301	8 PROJECT COST ($000) 1,070

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PORTOMOD WAREHOUSE	SF	40,000	21.50	860
SUPPORTING FACILITIES				106
SITE IMPROVEMENTS	LS			(40)
PAVEMENT	LS			(40)
ELECTRICAL	LS			(26)
SUBTOTAL				966
CONTINGENCY (5%)				48
TOTAL CONTRACT COST				1,014
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				56
TOTAL REQUEST				1,070
TOTAL REQUEST (ROUNDED)				1,070

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and floor slabs, rigid frame tensioned fabric membrane structure. All utilities and other necessary support.

11. REQUIREMENT: As Required.

PROJECT: Construct two 20,000 SF rigid frame tensioned fabric membrane structures (PORTOMOD).

REQUIREMENT: This project is required to provide two shelters to store WRM vehicles. Adequate available storage facilities are nonexistent. The erection of PORTOMODs will provide adequate space for storing WRM vehicles essential for critical support in the initial days of a conflict. They will provide enclosed and secure areas which will eliminate asset deterioration due to environmental problems, reduce the potential for pilferage, and increase asset life span.

CURRENT SITUATION: Presently, due to lack of covered storage, WRM vehicles are stored outside allowing for accelerated deterioration and pilferage of critically controlled assets.

IMPACT IF NOT PROVIDED: The WRM vehicle will continue to be stored outside allowing for accelerated deterioration and pilferage of critically controlled assets. Without adequate storage, shortage of essential WRM assets could occur in the initial days of conflict.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TAEGU AIR BASE, KOREA		
4. PROJECT TITLE PORTOMOD WAREHOUSE		5. PROJECT NUMBER WPZQ858301

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 DEC 13
(b) Percent Complete as of January 1986	90
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 12

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - OSAN

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	30
(b) All Other Design Costs	20
(c) Total	50
(d) Contract	0
(e) In-house	50
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TAEGU AIR BASE, KOREA	4 PROJECT TITLE AIRMEN DINING HALL

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 722-351	7 PROJECT NUMBER WPZQ879999	8 PROJECT COST ($000) 2,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRMEN DINING HALL	SF	15,100	110	1,661
SUPPORTING FACILITIES				465
UTILITIES	LS			(45)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(370)
SUBTOTAL				2,126
CONTINGENCY (5%)				106
TOTAL CONTRACT COST				2,232
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				123
TOTAL REQUEST				2,355
TOTAL REQUEST (ROUNDED)				2,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls, roof system, fire protection, utilities and support. Facility includes dining room, serving area, dishwashing room, refrigerated and dry storage space, food preparation area and support space. Air conditioning: 35 Tons.

11. REQUIREMENT: 15,100 SF ADEQUATE: 0 SUBSTANDARD: 8,600 SF

PROJECT: Construct an unaccompanied enlisted personnel dining hall.

REQUIREMENT: Adequate dining facilities are required to properly feed assigned and transient unaccompanied enlisted personnel. To attract and retain competent, professional enlisted personnel, the dining facility must provide a comfortable and attractive environment where personnel can enjoy a variety of meals.

CURRENT SITUATION: The dining hall is in an undersized, deteriorated, Korean War vintage wood framed facility that is beyond economical repair. The facility is too small and poorly configured to provided proper support to personnel at this remote base. Long lines and extended waits are common to patrons. The dining hall does not have sufficient cold storage and produce and dairy products must be stored in portable units. These substandard facilities and inefficient handling of dining hall patrons are irritants to service members and adversely affect morale. This project will allow the demolition of five high resource consuming facilities.

IMPACT IF NOT PROVIDED: Inadequate facilities, overcrowded conditions, and delays in service will continue to lower the morale of the assigned personnel.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TAEGU AIR BASE, KOREA		
4. PROJECT TITLE AIRMEN DINING HALL		5. PROJECT NUMBER WPZQ879999

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 MAY 10
(b) Percent Complete as of January 1986		65
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 APR 02
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		131
(b) All Other Design Costs		52
(c) Total		183
(d) Contract		131
(e) In-house		52
(4) Construction start		'87 JUL

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TAEGU AIR BASE, JAPAN	4 PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 724-415	7 PROJECT NUMBER WPZQ868310	8 PROJECT COST ($000) 1,750

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED OFFICER PERSONNEL HOUSING (40 PN)	SF	22,200	56	1,243
SUPPORTING FACILITIES				325
COMMUNICATIONS SUPPORT	LS			(5)
UTILITIES	LS			(165)
PAVEMENTS	LS			(60)
SITE IMPROVEMENTS	LS			(95)
SUBTOTAL				1,568
CONTINGENCY (5%)				78
TOTAL CONTRACT COST				1,646
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				91
TOTAL REQUEST				1,737
TOTAL REQUEST (ROUNDED)				1,750

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation on piles, masonry walls, air conditioning, fire protection system, utilities and necessary support. Includes bedrooms, baths, closets, centralized storage, laundry, kitchens and support space. Grade mix: 23 01-02, 17 03-010.
Air Conditioning - 75 Tons

11. REQUIREMENT: 80 PN ADEQUATE: 40 PN SUBSTANDARD: 14 PN

PROJECT: Construct unaccompanied officer personnel housing.

REQUIREMENT: Adequate quarters to provide unaccompanied officers with a reasonable degree of comfort and privacy during their off-duty time. This requirement is especially pronounced in a remote tour location such as Taegu, where long hours and an increased state of readiness place unusual demands on the service member.

CURRENT SITUATION: There are four substandard facilities available to house permanent party officers. Two of them are wood frame buildings constructed in 1953 and the remaining two are retrograde modular units. All of these are undersized and deficient in utilities, furnishings and configuration. Furthermore, they are in poor structural condition due to extended use beyond their original design life. All are energy inefficient. Since there are very few off-base rental quarters available, overcrowding of on-base quarters is a continuous situation and causes serious morale problems for officers who have no alternative but to endure these substandard conditions.

IMPACT IF NOT PROVIDED: Personnel will be housed in deteriorated, crowded, inadequate facilities. Serious morale problems will affect the officer force and could have a serious impact on the mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TAEGU AIR BASE, KOREA		
4. PROJECT TITLE UNACCOMPANIED OFFICER PERSONNEL HOUSING		5. PROJECT NUMBER WPZQ868310

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 MAY 01
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 15
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used -	KUNSAN
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	69
(b) All Other Design Costs	96
(c) Total	165
(d) Contract	91
(e) In-house	74
(4) Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION TOTSUKA NAVAL RADIO TRANSMITTER FACILITY - JAPAN	4. COMMAND AIR FORCE COMMUNICATIONS COMMAND	5. AREA CONSTR COST INDEX 0.69

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF N/A										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	700

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-139	Add to Telecom Facility	1,700 SF	700	Aug 85	Jul 86

9. Future Projects: (a) Included in Following Program (FY 88): None

10. Mission or Major Functions: Naval communications.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION YOKOSUKA NAVAL RADIO TRANSMITTER FACILITY - JAPAN	4. COMMAND AIR FORCE COMMUNICATIONS COMMAND	5. AREA CONSTR COST INDEX 0.69

6. PERSONNEL STRENGTH N/A	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	0
b. INVENTORY TOTAL AS OF	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	600

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-139	Add to Telecom Facility	1,700 SF	600	Aug 85	Jul 86

9. Future Projects: (a) Included in Following Program (FY 88): None

10. Mission or Major Functions: Naval communications.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION YOKOTA AIR BASE, JAPAN	4. COMMAND PACIFIC AIR FORCES	5. AREA CONSTR COST INDEX 0.69

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	580	3,543	246	0	0	0	180	386	64	4,999
b. END FY 19 91	588	3,783	250	0	0	0	180	386	64	5,251

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,997)	
b. INVENTORY TOTAL AS OF 30 Sept 85	81,492
c. AUTHORIZATION NOT YET IN INVENTORY	18,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,650
f. PLANNED IN NEXT THREE PROGRAM YEARS	56,330
g. REMAINING DEFICIENCY	48,070
h. GRAND TOTAL	211,842

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411-135	Jet Fuel Storage	100,000 BL	4,900	Jun 85	Apr 86

9. Future Projects: (a) Included in Following Program (FY 88):

211-159	Corrosion Control Facility	LS	2,650

(b) Typical Planned Next Three Years:

141-453	Base Operations Facility	16,000 SF	3,800
442-758	Base Supply Warehouse	150,000 SF	13,700

10. Mission or Major Functions: This base hosts the Fifth Air Force Headquarters and US Forces Japan Headquarters; an Air Base Wing with UH-1N aircraft; a tactical airlift group of C-130 aircraft; a military airlift squadron with C-21 aircraft; and has a major aerial port operation.

11. Outstanding pollution safety (OSH) deficiencies:

a. Air pollution:	10
b. Water pollution:	54
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION YOKOTA AIR BASE, JAPAN		4 PROJECT TITLE JET FUEL STORAGE	
5 PROGRAM ELEMENT 2.80.35	6 CATEGORY CODE 411-135	7 PROJECT NUMBER ZNRE871009	8 PROJECT COST ($000) 4,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
JET FUEL STORAGE	BL	100,000	28	2,800
SUPPORTING FACILITIES				1,632
COMMUNICATIONS SUPPORT	LS			(7)
UTILITIES	LS			(655)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(860)
SUBTOTAL				4,432
CONTINGENCY (5%)				222
TOTAL CONTRACT COST				4,654
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				256
TOTAL REQUEST				4,910
TOTAL REQUEST (ROUNDED)				4,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION 100,000 barrel underground steel tank with concrete encasement, pumphouse, piping and associated distribution system equipment, cathodic protection, and other necessary support.

11. REQUIREMENT: 250,000 BL ADEQUATE: 150,000 BL SUBSTANDARD: 0

PROJECT: Construct jet fuel storage.

REQUIREMENT: Adequate on-base jet fuel storage is required to support assigned and deployed aircraft during a contingency.

CURRENT SITUATION: Existing jet fuel storage capability is not sufficient to support currently assigned and tasked operational/contingency missions. This shortage of on-site storage makes base mission dependent upon the availability of fuel from bulk storage at other locations and limited transport via sealift and rail.

IMPACT IF NOT PROVIDED: Fuel supplies will not support the required operational and wartime activity at Yokota. Military and national objectives will be jeopardized.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION YOKOTA AIR BASE, JAPAN		
4. PROJECT TITLE JET FUEL STORAGE		5. PROJECT NUMBER ZNRE871009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 15
	(b) Percent Complete as of January 1986	60
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 APR 15
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	75
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	113
	(b) All Other Design Costs	40
	(c) Total	153
	(d) Contract	113
	(e) In-house	40
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
SPACE COMMAND				
SONDRESTROM AB, GL				754
UNACCOMPANIED PERSONNEL HOUSING	5,860	5,860	80	755
BASE SUBTOTAL:	5,860	5,860		
THULE AB, GL				757
FIRE STATION	3,900	3,900	100	758
ALTER SATCOM GROUND TERMINAL	1,540	1,540	35	760
SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	2,150	2,150	90	762
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,200	2,200	35	764
BASE SUBTOTAL:	9,790	9,790		
WOOMERA AS, AU				766
SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	2,300	2,300	35	767
BASE SUBTOTAL:	2,300	2,300		
COMMAND TOTAL:	17,950	17,950		

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROGRAM

2 DATE

3 INSTALLATION AND LOCATION
SONDRESTROM AIR BASE, GREENLAND

4 COMMAND
SPACE COMMAND

5 AREA CONSTR COST INDEX
2.27

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	13	86	2	0	0	0	8	38	0	147
b. END FY 1991	13	86	2	0	0	0	8	38	0	147

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (462,376)	
b INVENTORY TOTAL AS OF 30 Sept 85	81,790
c AUTHORIZATION NOT YET IN INVENTORY	5,750
d AUTHORIZATION REQUESTED IN THIS PROGRAM	5,860
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,700
f PLANNED IN NEXT THREE PROGRAM YEARS	11,500
g REMAINING DEFICIENCY	22,800
h GRAND TOTAL	130,400

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
720-000	Unaccompanied Personnel Housing	98 PN	5,860	Oct 84	Mar 86

9. Future Projects: (a) Included in Following Program (FY 88):

442-628	Supply Storage Area	36,000 SF	2,700

(b) Typical Planned Next Three Years:

124-134	Replace Fuel Storage	LS	500
610-243	Base Administrative Facility	33,000 SF	11,000
	Total		11,500

10. Mission or Major Functions: Space Command air Base Group; Military Airlift Command air movement route base and provides support to DEW line stations.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SONDRESTROM AIR BASE, GREENLAND	4 PROJECT TITLE UNACCOMPANIED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
1.24.96	720-000	VXCK810009	5,860

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED PERSONNEL HOUSING (98 PN)	SF	41,000	105	4,305
SUPPORTING FACILITIES				985
COMMUNICATIONS SUPPORT	LS			(227)
UTILITIES	LS			(758)
SUBTOTAL				5,290
CONTINGENCY (5%)				265
TOTAL CONTRACT COST				5,555
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				306
TOTAL REQUEST				5,861
TOTAL REQUEST (ROUNDED)				5,860

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, structural steel frame and insulated panels. Includes electrical, heating lines from the central heating plant, water, sewer, telephone service, and necessary support. GRADE MIX: 10-03/10, 2-01/02, 10-E7/9, 44-E5/6, 32 E1/4.

11. REQUIREMENT: 679 PN ADEQUATE: 0 PN SUBSTANDARD: 661 PN

PROJECT: Construct unaccompanied personnel housing.

REQUIREMENT: Adequate quarters are required to improve morale and provide sufficient space and privacy needed for proper rest and relaxation for personnel to meet around-the-clock mission requirements. Adequate quarters will help retain highly skilled military personnel needed to maintain and operate critical radar system components, utility systems and the site physical plant. Adequate quarters are essential to help maintain the mental well-being and morale of all assigned personnel.

CURRENT SITUATION: Existing unaccompanied personnel housing is far below current standards and cannot be upgraded. Existing dormitories were constructed in the early 1950s and have received little improvements. They have inadequate lighting, poor sound attenuation, inadequate floor space, inefficient electrical and mechanical systems, and lack privacy. Four substandard facilities will be demolished on completion of this project.

IMPACT IF NOT PROVIDED: Unsatisfactory housing will continue for personnel living at this remote location. Morale will continue to be adversely affected, thereby decreasing the ability of assigned personnel to accomplish Air Force missions.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

SONDRESTROM AIR BASE, GREENLAND

4. PROJECT TITLE UNACCOMPANIED PERSONNEL HOUSING	5. PROJECT NUMBER VXCK810009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 OCT 05
(b) Percent Complete as of January 1986	80
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 01
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	1034
(b) All Other Design Costs	0
(c) Total	1034
(d) Contract	908
(e) In-house	126
(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND	4. COMMAND SPACE COMMAND	5. AREA CONSTR COST INDEX 2.27

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	39	168	3	0	0	0	32	45	0	287
b. END FY 19 91	34	149	3	0	0	0	32	45	0	263

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (338,884)	
b. INVENTORY TOTAL AS OF 30 Sept 85	374,640
c. AUTHORIZATION NOT YET IN INVENTORY	10,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,790
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,900
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,500
g. REMAINING DEFICIENCY	8,800
h. GRAND TOTAL	413,730

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
130-142	Fire Station	17,300 SF	3,900	Mar 84	Aug 85
131-132	Alter SATCOM Ground Terminal	5,100 SF	1,540	Oct 85	Dec 86
141-391	Solid State Uninterruptible Power Supply Support	LS	2,150	May 85	Mar 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	49 PN	2,200	Sep 85	Mar 86
	Total		9,790		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	74 PN	2,000
724-417	Add to and Alter Unaccompanied Officer Personnel Housing	90 PN	5,900
	Total		7,900

(b) Typical Planned Next Three Years:

721-312	Alter Unaccompanied Enlisted Personnel Housing	55 PN	1,500
724-425	Alter Unaccompanied Officer Personnel Housing	52 PN	1,000
	Total		2,500

10. Mission or Major Functions: A missile early warning unit and a satellite control facility.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND	4 PROJECT TITLE FIRE STATION

5 PROGRAM ELEMENT 1.24.96	6 CATEGORY CODE 130-142	7 PROJECT NUMBER WWCX840003	8 PROJECT COST ($000) 3,900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION	SF	17,300	150	2,595
SUPPORTING FACILITIES				930
COMMUNICATIONS SUPPORT	LS			(150)
UTILITIES	LS			(220)
SITE IMPROVEMENTS	LS			(310)
PAVEMENTS	LS			(250)
SUBTOTAL				3,525
CONTINGENCY (5%)				176
TOTAL CONTRACT COST				3,701
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				204
TOTAL REQUEST				3,905
TOTAL REQUEST (ROUNDED)				3,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural frame, insulated wall panels, roof system, utilities and necessary support. Includes six drive-through bays, bunk room, latrines, kitchen, administrative offices, supply and tech-service area, and ramp parking.

11. REQUIREMENT: 24,800 SF ADEQUATE: 7,500 SF SUBSTANDARD: 20,500 SF

PROJECT: Construct a fire station.

REQUIREMENT: An adequate facility, properly sized, configured, and centrally located, is required to house structural fire fighting vehicles and equipment assigned to this base. The facility must have adequate sleeping quarters, kitchen and dining areas for personnel assigned to 24-hour shifts and a technical service area for the inspection and servicing of fire extinguishers.

CURRENT SITUATION: Crash and structural fire fighting vehicles are housed in four buildings. Two of the buildings are wood frame structures built in the early 1950's. These facilities are so badly deteriorated that they cannot be repaired and must be replaced. They do not have adequate sleeping quarters, kitchen and eating facilities, are high energy users and require excessive maintenance. Two existing buildings will be disposed of upon completion of this project.

IMPACT IF NOT PROVIDED: Command and control of the fire fighting force will continue to be hampered by poor facilities which increase maintenance and energy costs.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND		
4. PROJECT TITLE FIRE STATION		5. PROJECT NUMBER WWCX840003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 MAR 15
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 AUG 30
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	195
(b) All Other Design Costs	98
(c) Total	293
(d) Contract	249
(e) In-house	44
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND	4 PROJECT TITLE ALTER SATCOM GROUND TERMINAL

5 PROGRAM ELEMENT 3.36.05	6 CATEGORY CODE 131-132	7 PROJECT NUMBER WWCX870014	8 PROJECT COST ($000) 1,540

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER SATCOM GROUND TERMINAL	SF	2,800	265	742
SUPPORTING FACILITIES	LS			590
ANTENNA FOUNDATION WAVEGUIDE TRENCH	LS			(350)
FIRE PROTECTION	LS			(45)
AIR CONDITIONING	LS			(90)
SEISMIC	LS			(45)
COVERED WALKWAY	LS			(60)
SUB-TOTAL				1,332
CONTENGENCY (10%)				133
TOTAL CONTRACT COST				1,465
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				81
TOTAL REQUEST				1,546
TOTAL REQUEST (ROUNDED)				1,540
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				(8,400)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter existing floor space. Provide raised floor, air conditioning and environmental control, fire protection, utilities, communications and necessary support. Includes radome, antenna foundation, wave guide trench, enclosed walkway, maintenance and supply areas. Air condintioning - 30 tons.

11. REQUIREMENTS: 2,800 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Alter a satellite communications ground terminal facility.

REQUIREMENT: Properly sized and configured facilities are required to house Defense Satellite Communications Systems (DSCS) ground terminals. The DSCS provides long distance communications with a Jam Resistant Secure Communications system to support critical command, control, intelligence and warning activities. The DSCS is an important component in the worldwide defense communications system and must be able to provide rapid and reliable service.

CURRENT SITUATION: There is no DSCS terminal for this site. Existing long distance communications links to NORAD are now routed through circuits via terrestrial and commercial satellite link. These circuits do not provide essential jam resistant features and do not provide a new ground terminal to properly support NORAD operational requirements with missile warning data.

IMPACT IF NOT PROVIDED: Without this project National Military Command System, SAC and NORAD will continue to rely on the vulnerable circuits for critical missile warning and assesment communications.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND		
4. PROJECT TITLE ALTER SATCOM GROUND TERMINAL		5. PROJECT NUMBER WWCX870014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 OCT 20
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	85
	(d) Date Design Complete	86 DEC 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	387
	(b) All Other Design Costs	100
	(c) Total	487
	(d) Contract	390
	(e) In-house	97
(4)	Construction start	87 MAY

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Raydome	3080	87	400
Antenna	3080	87	1,500
AN-GSC/52 MILSATCOM Equipment	3080	87	5,000
DCSS Equipment	3080	87	1,500

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND	4. PROJECT TITLE SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT

5 PROGRAM ELEMENT 1.23.12	6 CATEGORY CODE 141-391	7. PROJECT NUMBER WWCX870005	8. PROJECT COST ($000) 2,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	LS			1,195
SUPPORTING FACILITIES				660
ALTER DISTRIBUTION BUS	LS			(530)
FIRE PROTECTION	LS			(130)
SUBTOTAL				1,855
CONTINGENCY (10%)				186
TOTAL CONTRACT COST				2,041
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				112
TOTAL REQUEST				2,153
TOTAL REQUEST (ROUNDED)				2,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		(NON-ADD)		(2,030)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter existing facility to house three 500 KVA 60 Hz SSUPS systems. Construction to include installation of partitions and supporting electrical, HVAC, sewer and fire protection/detection systems.

11. REQUIREMENT: As required.

PROJECT: Alter Ballistic Missile Early Warning (BMEW) technical facility and utilities to install Solid State Uninterruptible Power Supply (SSUPS) system.

REQUIREMENT: A SSUPS system is required to provide a reliable, quality source of electrical power for BMEW critical mission equipment and utility support systems. BMEW provides ballistic missile early warning and attack assessment data to critical command, control and communications sites. Conditioned, reliable electrical power is essential to maintain the mission capability. A SSUPS is required to provide critical mission equipment with a 15 minute "ride-through" during unscheduled power outages to minimize or eliminate recovery time and condition the power to mitigate effects of power fluctuations.

CURRENT SITUATION: Existing power supply does not include a SSUPS system. The BMEW solid state phased array radar creates power loads that cause fluctuations to the power supply greater than allowed for the computer systems.

IMPACT IF NOT PROVIDED: Unscheduled power interruptions resulting in loss of mission capability and credibility.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

THULE AIR BASE, GREENLAND

4. PROJECT TITLE SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	5. PROJECT NUMBER WWCX870005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 85 MAY 22
(b) Percent Complete as of January 1986 90
(c) Percent Complete as of October 1986 100
(d) Date Design Complete 86 MAR 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	157
(b) All Other Design Costs	29
(c) Total	186
(d) Contract	146
(e) In-house	40

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Solid State Uninterruptible Power Supply	3080	87	1,010
Switchgear - HVAC	3400	87	700
Battery Rack	3400	87	320

1 COMPONENT AIR FORCE	**FY 19_87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 1.24.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER WWCX880001	8 PROJECT COST ($000) 2,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (49 PN)	SF	27,700	68	1,883
SUPPORTING FACILITIES				5
SUBTOTAL				1,888
CONTINGENCY (10%)				189
TOTAL CONTRACT COST				2,077
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				114
TOTAL REQUEST				2,191
TOTAL REQUEST (ROUNDED)				2,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION All demolition, structural, mechanical electrical work necessary to upgrade existing housing to current Air Force standards. Includes new bathrooms, kitchens, laundry areas, suspended ceiling, carpeting, insulation, sound attenuation, and upgrade of heating, ventilation and electrical systems.

GRADE MIX: 16-E1/E4, 16-E5/E6, 17-E7/E9.

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11. REQUIREMENT: 506 PN ADEQUATE: 0 SUBSTANDARD: 1405 PN

PROJECT: Alter unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide our unaccompanied enlisted personnel with housing that is conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facility to be upgraded was constructed in 1959. It completely lacks privacy, adequate lighting, insulation and sound attenuation, and has obsolete electrical and mechanical systems with central latrines.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER WWCX880001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 SEP 01
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAR 20

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	243
(b)	All Other Design Costs	40
(c)	Total	283
(d)	Contract	215
(e)	In-house	68

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION WOOMERA AIR STATION, AUSTRALIA	4. COMMAND SPACE COMMAND	5. AREA CONSTR COST INDEX 1.47

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	26	188	0	0	0	0	0	0	0	214
b. END FY 19 91	26	188	0	0	0	0	0	0	0	214

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (25)	
b. INVENTORY TOTAL AS OF 30 Sept 85	9,810
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	600
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	12,710

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-111	Solid State Uninterruptible Power Supply Support	2,200 SF	2,300	May 85	Oct 86

9. Future Projects: (a) Included in Following Program (FY 87): None
(b) Typical Planned Next Three Years:

740-669	Composite Recreation Facility	6,000 SF	600

10. Mission or Major Functions: Woomera AS - Supports the Joint Defense Space Communications Station which operates and maintains satellite interstation and intrastation support and communications equipment.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOOMERA AIR STATION, AUSTRALIA	4 PROJECT TITLE SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT

5 PROGRAM ELEMENT 1.23.12	6 CATEGORY CODE 131-111	7 PROJECT NUMBER ZGTT870002	8 PROJECT COST ($000) 2,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT	SF	2,200	135	297
SUPPORTING FACILITIES				1,780
ALTER DISTRIBUTION & SWITCHGEAR	LS			(1,400)
RESERVE COOLING	LS			(380)
SUBTOTAL				2,077
CONTINGENCY (5%)				104
TOTAL CONTRACT COST				2,181
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				120
TOTAL REQUEST				2,301
TOTAL REQUEST (ROUNDED)				2,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(1,930)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Add to existing tech facility for three 500 KVA, 60HZ redundant SSUPS Systems. Includes two battery rooms and SSUPS room with all partitions, finishes, electrical/mechanical/ plumbing systems, Electromagnetic Pulse (EMP) shielding and reserve cooling.

11. REQUIREMENT: As Required.

PROJECT: Construct an addition to and alter the satellite technical facility to install a solid state uninterruptible power supply (SSUPS).

REQUIREMENT: A SSUPS system is required to provide a reliable, quality source of electrical power for critical satellite communication mission equipment and support systems. A SSUPS system is required to supply the critical mission equipment with 15-minute "ride-through" capability during a power outage and condition the power to mitigate effects of power instabilities. Additional cooling reserve is required to provide critical equipment cooling while the SSUPS maintains power to the equipment.

CURRENT SITUATION: Existing power configuration consists of diesel-engine generators that supply both the critical and non-critical loads. This power does not meet the requirements for constant, highly reliable, quality electrical energy for sophisticated electronic mission equipment. Existing spaces are inadequate to house the SSUPS and battery equipment. The system equipment cooling capacity does not have sufficient reserve to support critical equipment in the event of cooling system failure or power outage.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WOOMERA AIR STATION, AUSTRALIA		
4. PROJECT TITLE SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT		5. PROJECT NUMBER ZGTT870002

IMPACT IF NOT PROVIDED: System will be vulnerable to outages due to fluctuations in the power system. An unscheduled outage will result in power loss to critical circuits.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WOOMERA AIR STATION, AUSTRALIA		
4. PROJECT TITLE SOLID STATE UNINTERRUPTIBLE POWER SUPPLY SUPPORT		5. PROJECT NUMBER ZGTT870002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 31
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	95
	(d) Date Design Complete	86 OCT 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	262
	(b) All Other Design Costs	0
	(c) Total	262
	(d) Contract	240
	(e) In-house	22
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Solid State Uninterruptible Power Supply	3080	87	1,080
Switchgear - HVAC	3400	87	550
Battery Rack	3400	87	300

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
STRATEGIC AIR COMMAND				
ANDERSEN AFB, GQ				771
ALTER JET FUEL STORAGE FACILITIES	7,600	7,600	60	772
BASE SUBTOTAL:	7,600	7,600		
COMMAND TOTAL:	7,600	7,600		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX 2.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	401	3,658	650	21	25	0	0	0	0	4,755
b. END FY 19 91	400	3,645	650	21	25	0	0	0	0	4,741

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (16,353)	
b. INVENTORY TOTAL AS OF 30 Sept 85	252,080
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,440
f. PLANNED IN NEXT THREE PROGRAM YEARS	17,770
g. REMAINING DEFICIENCY	91,710
h. GRAND TOTAL	386,600

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411-135	Alter Jet Fuel Storage Facilities	LS	7,600	Jan 84	Apr 86

9. Future Projects: Included in Following Program (FY 88):

116-670	Aircraft Rinse Facility	LS	950
131-134	Add to and Alter Air Communications Relay Center	14,800 SF	1,200
211-183	T-9 Noise Suppressor Facility	LS	790
721-312	Alter Unaccompanied Enlisted Personnel Housing	472 PN	9,900
740-674	Add to and Alter Physical Fitness Center	46,300 SF	4,600
	Total		17,440

10. Mission or Major Functions: Active mission support activities including an air division headquarters responsible for management, command, control and direction of assigned Strategic Air Command units; a heavy bombardment operational wing including a B-52 squadron and a KC-135 air refueling squadron supported by rotational aircraft, which support a bomber and tanker alert force; a Military Aircraft Command weather reconnaissance squadron WC-130s.

Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	C

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM	4 PROJECT TITLE ALTER JET FUEL STORAGE FACILITIES

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 411-135	7 PROJECT NUMBER AJJY851106	8 PROJECT COST ($000) 7,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER JET FUEL STORAGE FACILITIES	LS			5,420
SUPPORTING FACILITIES				1,080
SPECIAL FIRE PROTECTION SYSTEMS	LS			(545)
PAVEMENTS	LS			(295)
UTILITIES	LS			(240)
SUBTOTAL				6,550
CONTINGENCY (10%)				655
TOTAL CONTRACT COST				7,205
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				396
TOTAL REQUEST				7,601
TOTAL REQUEST (ROUNDED)				7,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Install steel or honey-combed aluminum floating pans, provide internal epoxy coating, and provide fire suppression system in all twenty-two fuel tanks of various sizes.

11. REQUIREMENT: As required.

PROJECT: Alter twenty-two existing jet fuel storage tanks.

REQUIREMENT: Adequate jet fuel storage capability to support the flying mission at this base. Alteration of existing storage facilities is needed to provide storage that is free of hazardous vapor accumulation, will minimize fuel loss, prevent fuel contamination and provide adequate fire protection.

CURRENT SITUATION: The existing tanks, totalling 690,000 barrels, vary in age from 26 to 33 years and are located in three separate tank farms. All 22 tanks require internal cleaning, epoxy coating, and venting as well as fire protection and suppression systems. Seven tanks are underground and do not require floating pans to prevent fuel loss due to vaporization. The other fifteen tanks are aboveground and do not have floating pans for vapor suppression. Over 300,000 gallons of fuel costing in excess of $360,000 are lost annually as a result of vapor losses. Existing tanks do not have any fire suppression or protection systems. All of the tanks need cleaning and epoxy coating to prevent fuel contamination and leaks.

IMPACT IF NOT PROVIDED: Adequate fuel supply will not be available for base operations due to possibility of contaminated fuel. Fuel losses will continue to occur and the possibility of a major fire will continue. If sufficient fuel is not available, it could have an adverse impact on the base's ability to perform its mission.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		
4. PROJECT TITLE ALTER JET FUEL STORAGE FACILITIES		5. PROJECT NUMBER AJJY851106

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 JAN 17
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 25

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - NONE

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	648
(b) All Other Design Costs	0
(c) Total	648
(d) Contract	486
(e) In-house	162

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
TACTICAL AIR COMMAND				
KEFLAVIK NAS, IC				775
ACCOUNTING & FINANCE FACILITY	1,600	1,600	60	776
BASE SUBTOTAL:	1,600	1,600		
MASIRAH, OM				779
SW ASIA-CARETAKER CONTRACTOR SUPPORT FACILITIES	3,500	3,500	40	780
BASE SUBTOTAL:	3,500	3,500		
THUMRAIT, OM				782
SW ASIA-CARETAKER CONTRACTOR SUPPORT FACILITIES	3,400	3,400	40	783
BASE SUBTOTAL:	3,400	3,400		
COMMAND TOTAL:	8,500	8,500		

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION KEFLAVIK NAVAL AIR STATION, ICELAND	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 1.48

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (N/A)	
b. INVENTORY TOTAL AS OF 30 Sept 85	
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	21,215
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	22,815

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610-243	Accounting and Finance Facility	5,700 SF	1,600	Sep 85	Sep 86

9. Future Projects: (a) Included in Following Program (FY 88): None
(b) Typical Planned Next Three Years:

211-152	Weapons Services Facility	5,000 SF	1,600
422-264	Weapons Storage Igloos	10,800 SF	2,860
442-758	WRM Vehicle Storage	10,000 SF	500
730-835	Security Police Facility	6,500 SF	3,000
880-232	AWACS Fire Protection	11,900 SF	5,800

10. Mission or Major Functions: Supports one fighter interceptor squadron of F-15 aircraft, an aerospace rescue and recovery squadron and the headquarters of Air Forces Iceland.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational Safety and Health	0

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION KEFLAVIK NAVAL AIR STATION, ICELAND	4 PROJECT TITLE ACCOUNTING & FINANCE FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-243	7 PROJECT NUMBER MBCV863003	8 PROJECT COST ($000) 1,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACCOUNTING & FINANCE FACILITY	SF	5,700	170	969
SUPPORTING FACILITIES				475
UTILITIES	LS			(185)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(100)
COMMUNICATIONS SUPPORT	LS			(80)
SUBTOTAL				1,444
CONTINGENCY (5%)				72
TOTAL CONTRACT COST				1,516
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				83
TOTAL REQUEST				1,599
TOTAL REQUEST (ROUNDED)				1,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, floor and structure. Includes secure areas for vault and cashier's cage, parking lot with two lane access road, utilities,and ncecessary support.

11. REQUIREMENT: 5,700 SF ADEQUATE: 0 SUBSTANDARD: 1,800 SF

PROJECT: Construct an accounting and finance facility.

REQUIREMENT: An adequately sized and configured facility to permit effective control of financial resources and efficient support of Air Forces Iceland (AFI) personnel. With the implementation of the Phase IV computer system, AFI/ACF became a fully operational accounting and finance office. Previously AFI Accounting & Finance (ACF) operated as an agent of 1 TFW/ACF, Langley AFB. With this conversion, AFI/ACF does not depend on 1 TFW/ACF for accounting support or document processing. To accomplish this transformation, AFI/AC has had assigned 15 additional enlisted personnel and one additional commissioned officer, and has received several types of additional equipment, including a mini-computer.

CURRENT SITUATION: The present facility encompasses approximately 1,800 square feet and contains one private office. The office is occupied by the Comptroller and secretary and is used concurrently as a conference room and counseling facility. To accommodate personnel and equipment increases, customer service area and internal space allocations were significantly reduced. As a result, the offices are extremely congested, both in the work section and the customer waiting area and in some instances safety/fire standards are compromised. AFI/ACF provides full military pay, travel, commercial service and material services to

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

KEFLAVIK NAVAL AIR STATION, ICELAND

4. PROJECT TITLE ACCOUNTING AND FINANCE FACILITY	5. PROJECT NUMBER MBCV863003

personnel of Keflavik. There are no other facilities available to support this function.

IMPACT IF NOT PROVIDED: AFI/AC will not be able to convert to full, functioning accounting and finance operation and accommodate additional personnel and equipment which are now on location.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION KEFLAVIK NAVAL AIR STATION, ICELAND		
4. PROJECT TITLE ACCOUNTING & FINANCE FACILITY		5. PROJECT NUMBER MBCV863003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 SEP 03
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	66
(b) All Other Design Costs	86
(c) Total	152
(d) Contract	79
(e) In-house	73

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION MASIRAH, OMAN	4. COMMAND TACTICAL AIR COMMAND	5. AREA CONSTR COST INDEX 1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (N/A)	
b. INVENTORY TOTAL AS OF 30 Sept 85	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	6,500

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
720-000	Caretaker Contractor Support Facilities	16,600 SF	3,500	Aug 85	Sep 86

9. Future Projects: Included in Following Program (FY 88):

720-000	Caretaker Maintenance	13,000 SF	3,000

10. Mission or Major Functions: Various rear area staging and foreward deployment facilities for rapid deployment forces.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational Safety and Health	0

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1 COMPONENT AIR FORCE	FY 19~~8~~7 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MASIRAH, OMAN	4 PROJECT TITLE SWA-CARETAKER CONTRACTOR SUPPORT FACILITIES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	720-000	OMAN873006	3,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SWA-CARETAKER CONTRACTOR SUPPORT FACILITIES	LS			2,790
BILLETING FACILITIES	SF	16,600	150	(2,490)
ALTER DINING FACILITY	LS			(300)
SUPPORTING FACILITIES				375
SUBTOTAL				3,165
CONTINGENCY (5%)				158
TOTAL CONTRACT COST				3,323
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				183
TOTAL REQUEST				3,506
TOTAL REQUEST (ROUNDED)				3,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION (Includes mobilization costs and cost of shipping US manufactured goods in accordance with American Preference criteria for SWA). All structures will have concrete foundations and masonry walls. Air conditioning, utilities, parking areas and roads, and other supporting structures are included. Grade mix equivalent: Three 03, eleven 01-02, twenty-four E5-E6, fourty-three E2-E4.

11. REQUIREMENT: 16,600 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct four billeting facilities and alter an existing facility into a dining hall.

REQUIREMENT: Permanent accommodations are required for the long-term support of the caretaker contract operation. Support facilities must provide billeting, dining, and recreation areas for 81 caretaker personnel.

CURRENT SITUATION: Award of caretaker contract is anticipated during 1985. Contractor will be contractually obligated to establish a mobilization camp of temporary nature and begin operation within three months thereafter. Following completion of this project, the temporary mobilization camp will be disposed. Due to the extremely isolated location of Masirah Island, no suitable facilities exist for these purposes.

IMPACT IF NOT PROVIDED: Permanent facilities will not be available for the contractor personnel responsible for the operation and maintenance of critically needed contingency equipment and supplies. Failure to provide these facilties will jeopardize the successful implementation of this important program supporting U. S. interest in the region.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MASIRAH, OMAN		
4. PROJECT TITLE SWA-CARETAKER CONTRACTOR SUPPORT FACILITIES		5. PROJECT NUMBER OMAN873006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 AUG 30
(b) Percent Complete as of January 1986		40
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 SEP 31
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		210
(b) All Other Design Costs		104
(c) Total		314
(d) Contract		0
(e) In-house		314
(4) Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3 INSTALLATION AND LOCATION THUMRAIT, OMAM	4 COMMAND TACTICAL AIR COMMAND	5 AREA CONSTR COST INDEX 1.12

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (N/A)	
b INVENTORY TOTAL AS OF 30 Sept 85	
c AUTHORIZATION NOT YET IN INVENTORY	
d AUTHORIZATION REQUESTED IN THIS PROGRAM	3,400
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,000
f PLANNED IN NEXT THREE PROGRAM YEARS	0
g REMAINING DEFICIENCY	0
h GRAND TOTAL	5,400

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
720-000	Caretaker Contractor Support	21,900 SF	3,400	Aug 85	Jul 86

9. Future Projects: Included in Following Program (FY 88):

720-000 Caretaker Maintenance 13,000 SF 2,000

10. Mission or Major Functions: Various rear area staging and foreward deployment facilities for rapid deployment forces.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational Safety and Health	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION THUMRAIT, OMAN	4 PROJECT TITLE SWA-CARETAKER CONTRACTOR SUPPORT FACILITIES

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 720-000	7 PROJECT NUMBER OMAN873005	8 PROJECT COST ($000) 3,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SWA-CARETAKER CONTRACTOR SUPPORT FACILITIES	SF	21,900	125	2,737
SUPPORTING FACILITIES				350
UTILITIES	LS			(210)
SITE IMPROVEMENTS	LS			(140)
SUBTOTAL				3,087
CONTINGENCY (5%)				154
TOTAL CONTRACT COST				3,241
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				178
TOTAL REQUEST				3,419
TOTAL REQUEST (ROUNDED)				3,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION (Includes mobilization cost and cost of shipping US manufactured items in accordance with American Preference Policy for SWA.) The structures will have concrete foundations and masonry walls. Air conditioning, utilities, parking areas and roads and other supporting structures are included.

Grade mix equivalents: two 03, eleven 01-02, twenty-four E5-E6, thirty E2-E4.

11. REQUIREMENT: 21,900 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct three billeting facilities for caretaker contractor.

REQUIREMENT: Permanent accommodations are required for the long-term support of caretaker contract operation. Support facilities must provide billeting, dining and recreational areas for 67 contractor personnel. Furthermore, billeting and dining area must be sized to support small mumbers of visiting Air Force contract monitors.

CURRENT SITUATION: Award of caretaker contract is anticipated during 1985. Contractor will be contractually obligated to establish a mobilization camp of temporary nature and begin operation within three months thereafter. Following completion of this project, the temporary mobilization camp will be disposed. Due to the very remote location of Thumrait, no suitable facilities exist for these purposes.

IMPACT IF NOT PROVIDED: Permanent facilities will not be available for the contractor personnel responsible for the operation and maintenance of critically-needed contingency equipment and supplies. Failure to provide these facilities will jeopardize the successful implementation of this critical program supporting US-regional interests.

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1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION THUMRAIT, OMAN		
4. PROJECT TITLE SWA-CARETAKER CONTRACTOR SUPPORT FACILITIES		5. PROJECT NUMBER OMAN873005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 AUG 30
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUL 31

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	204
(b) All Other Design Costs	98
(c) Total	302
(d) Contract	0
(e) In-house	302

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
UNITED STATED AIR FORCES, EUROPE				
ALCONBURY RAF, UK				788
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	797
BASE OPERATIONS	0	900	100	1117
AIRCRAFT MAINTENANCE FACILITY	640	640	35	1117
TR-1-AIRCRAFT MAINTENANCE FACILITY	680	680	35	804
GLCM-CONSOLIDATED SUPPORT CENTER	8,800	8,800	35	791
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,450	2,450	35	805
TR-1-VISITING AIRMEN QUARTERS	1,300	1,300	35	800
GLCM- ADAL PHYSICAL TRAINING FACILITY	2,100	2,100	60	793
TR-1-LIBRARY	1,050	1,050	45	802
GLCM-BASE THEATER	1,300	1,300	35	795
BASE SUBTOTAL:	19,520	20,420		
ANKARA AB, TU				807
CONSOLIDATED SUPPORT CENTER	3,050	3,050	35	808
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	930	930	35	1116
DINING HALL	1,250	1,250	40	811
CHAPEL CENTER	1,550	1,550	40	813
BASE SUBTOTAL:	6,780	6,780		
AVIANO AB, IT				815
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,200	4,200	45	816
VISITING OFFICERS QUARTERS	0	3,000	60	818
BASE SUBTOTAL:	4,200	7,200		
BASE 30. CLASSIFIED LOCATION, OS				820
TR-1-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,950	2,950	40	821
BASE SUBTOTAL:	2,950	2,950		
BASE 33, CLASSIFIED LOCATION, OS				823
C-130-ADD TO AND ALTER FIRE STATION	770	770	40	829
C-130-CENTRAL SECURITY CONTROL	2,200	2,200	40	825
C-130-SENSITIVE COMPARTMENTED INFORMATION FACILITY	1,500	1,500	35	827
BASE SUBTOTAL:	4,470	4,470		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

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INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
BENTWATERS RAF, UK				830
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	831
SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	1,250	1,250	50	833
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,700	3,700	35	835
CENTRAL POST OFFICE	650	650	40	1117
RECREATION CENTER	2,250	2,250	45	837
WATER STORAGE AND DISTRIBUTION SYSTEM	1,400	1,400	35	839
BASE SUBTOTAL:	10,450	10,450		
BITBURG AB, GE				841
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	842
RAPID RUNWAY REPAIR EQUIPMENT STORAGE FACILITY	960	960	45	1105
PASSIVE DEFENSE EQUIPMENT STORAGE FACILITY	770	770	40	1105
WATER STORAGE TANK	480	480	35	1106
ALTER BASE MAIN ENTRANCE	440	440	35	1105
ADD TO AND ALTER SEWAGE TREATMENT PLANT	1,500	1,500	35	1120
BASE SUBTOTAL:	5,350	5,350		
CAMP DARBY, IT				844
SEGREGATED MAGAZINE	270	270	95	1109
BASE SUBTOTAL:	270	270		
CAMP NEW AMSTERDAM, NL				845
COMMUNICATION MAINTENANCE FACILITY	570	570	50	1111
CHEM WARFARE PROTECT-SQUADRON OPERATIONS FACILITY	930	930	50	1112
ADD TO BASE SUPPLY COMPLEX	2,450	2,450	60	846
ADD TO AND ALTER CHAPEL	1,300	1,300	50	848
BASE SUBTOTAL:	5,250	5,250		
CHICKSANDS RAF, UK				850
ADD/ALTER WATER DISTRIBUTION SYSTEM	950	950	60	1118
BASE SUBTOTAL:	950	950		

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MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
CLASSIFIED LOCATION, OVERSEAS				851
STORAGE FACILITIES	11,500	11,500		852
BASE SUBTOTAL:	11,500	11,500		
COMISO AB, IT				853
CHEM WARFARE PROTECT-WING COMMAND POST	1,500	1,500	35	854
CHEM WARFARE PROTECT-CENTRAL SECURITY CONTROL	1,500	1,500	35	856
GLCM-MILITARY CLOTHING SALES	0	300	35	859
GLCM-ARTS AND CRAFTS SHOP	370	370	90	859
GLCM-AUTOMOTIVE HOBBY SHOP	410	410	90	859
GLCM-RECREATION LIBRARY	230	230	100	860
BASE SUBTOTAL:	4,010	4,310		
CROUGHTON RAF, UK				861
TELECOMMUNICATIONS FACILITY	630	630	35	1118
BASE SUBTOTAL:	630	630		
DECIMOMANNU AB, IT				862
VISITING OFFICERS QUARTERS	0	900	100	1109
BASE SUBTOTAL:	0	900		
EINSIEDLERHOF AS, GE				863
VISITING OFFICERS QUARTERS	0	2,600	50	864
BASE SUBTOTAL:	0	2,600		
FAIRFORD RAF, UK				866
ORGANIZATIONAL MAINTENANCE AND SUPPORT EQUIPMENT COMPLEX	2,750	2,750	75	867
ADD TO AND ALTER VEHICLE MAINTENANCE FACILITY	1,700	1,700	35	869
BASE SUBTOTAL:	4,450	4,450		
FLORENNES AB, BE				871
GLCM-DATA PROCESSING FACILITY	1,200	1,200	35	877
GLCM-COMMISSARY	3,500	3,500	35	873
GLCM-EXHANGE COMPLEX	2,850	2,850	95	875
GLCM-AUTOMOTIVE HOBBY SHOP	520	520	35	879
GLCM-RECREATION LIBRARY	0	460	35	879
GLCM-YOUTH CENTER	750	750	35	879
BASE SUBTOTAL:	8,820	9,280		

785B

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
GREENHAM COMMON RAF, UK				880
GLCM-TEMPORARY LIVING FACILITY	2,100	2,100	35	881
BASE SUBTOTAL:	2,100	2,100		
HAHN AB, GE				883
ALTERNATE LAUNCH/RECOVERY SURFACE (ALRS)	2,100	2,100	35	885
ADAL/ALTER FIRE STATION	1,100	1,100	100	887
SECURITY POLICE OPERATIONS FACILITY	1,100	1,100	45	889
ADD TO VEHICLE MAINTENANCE FACILITY	1,900	1,900	35	891
RAPID RUNWAY REPAIR EQUIPMENT STORAGE BUILDING	840	840	50	1106
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,400	1,400	45	897
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,300	2,300	45	893
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,000	4,000	35	895
POST OFFICE	980	980	100	1106
BASE SUBTOTAL:	15,720	15,720		
HESSISCH OLDENDORF AS, GE				899
ADD TO AND ALTER COMPOSITE RECREATION CENTER	2,000	2,000	75	900
BASE SUBTOTAL:	2,000	2,000		
INCIRLIK AB, TU				902
VEHICLE MAINTENANCE COMPLEX	4,800	4,800	45	904
MEDICAL CONTINGENCY FACILITY	0	820	100	1116
WAREHOUSE	1,650	1,650	100	906
BASE SUPPLY ADMINISTRATION FACILITY	1,200	1,200	35	908
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,250	2,250	40	910
DINING HALL	2,350	2,350	50	912
VISITING OFFICER QUARTERS	3,400	3,400	45	914
POST OFFICE	510	510	95	1116
BASE SUBTOTAL:	16,160	16,980		
IRAKLION AB, GR				916
2ND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	320	320	40	1108
BASE SUBTOTAL:	320	320		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
LAKENHEATH RAF, UK				917
BASE SUPPLY STORAGE SHED	500	500	35	1118
POST OFFICE	1,200	1,200	35	918
GYMNASIUM	0	2,500	90	920
BASE SUBTOTAL:	1,700	4,200		
LINDSEY AS, GE				922
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	40	923
BASE SUBTOTAL:	1,200	1,200		
MARTLESHAM HEATH RAF, UK				925
DIGITAL EUROPEAN BACKBONE FACILITY	1,650	1,650	35	926
BASE SUBTOTAL:	1,650	1,650		
MILDENHALL RAF, UK				928
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,700	4,700	35	929
BASE SUBTOTAL:	4,700	4,700		
MOLESWORTH RAF, UK				931
CHEM WARFARE PROTECT-CENTRAL SECURITY CONTROL FACILITY	1,050	1,050	50	932
CHEM WARFARE PROTECT-WING COMMAND POST	1,050	1,050	40	934
GLCM-BASE CIVIL ENGINEER COMPLEX	330	330	50	1119
BASE SUBTOTAL:	2,430	2,430		
MOROCCO				936
PETROLEUM RESUPPLY SYSTEM	25,400	25,400	40	937
BASE SUBTOTAL:	25,400	25,400		
PIRINCLIK, TU				939
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	3,000	45	940
BASE SUBTOTAL:	3,000	3,000		
PRUEM AS, GE				943
COMPOSITE RECREATION CENTER	1,150	1,150	100	943
BASE SUBTOTAL:	1,150	1,150		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
RAMSTEIN AB, GE				945
F-16-CENTRAL SECURITY CONTROL FACILITY	2,050	2,050	40	951
PROTECTED COMBAT TARGETING CENTER	36,000	36,000	35	957
ADD TO AND ALTER NONCOMMISSIONED OFFICER ACADEMY (KAPAUN)	1,850	1,850	45	962
F-16-MUNITIONS LOAD CREW TRAINING FACILITY	2,350	2,350	40	947
F-16-AIRCRAFT MAINTENANCE FACILITY	1,200	1,200	45	955
ADD TO AND ALTER VEHICLE MAINTENANCE SHOPS	6,000	6,000	45	960
F-16-ADD TO AND ALTER AEROSPACE SUPPORT EQUIPMENT COMPLEX	1,600	1,600	35	953
WEAPONS STORAGE & SECURITY SYSTEM	800	800	35	1107
F-16-WAREHOUSE	2,200	2,200	40	949
OUTDOOR PROCESSING/PALLET STORAGE AREA	1,350	1,350	45	964
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,900	2,900	45	966
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	6,300	6,300	45	968
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	3,000	45	970
VISITING OFFICERS QUARTERS	3,000	3,000	45	972
SECURITY LIGHTING	420	420	40	1107
WATER STORAGE TANK	2,600	2,600	35	974
BASE SUBTOTAL:	73,620	73,620		
SAN VITO AS, IT				976
SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	490	490	35	1109
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,300	3,300	45	977
VISITING OFFICERS QUARTERS	2,450	2,450	40	979
BASE SUBTOTAL:	6,240	6,240		
SEMBACH AB, GE				981
VEHICLE MAINTENANCE FACILITY	1,050	1,050	100	982
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,900	4,900	40	984
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,450	1,450	35	986
BASE SUBTOTAL:	7,400	7,400		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
SPANGDAHLEM AB, GE				988
CHEM WARFARE PROTECT-SQUADRON OPERATIONS FACILITY	1,700	1,700	35	990
FIELD TRAINING FACILITY	0	1,600	100	993
VEHICLE MAINTENANCE FACILITY	2,350	2,350	65	995
GROUND DEFENSE MUNITIONS STORAGE IGLOOS	560	560	35	1107
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,700	3,700	45	997
POST OFFICE	1,050	1,050	45	999
BASE SUBTOTAL:	9,360	10,960		
TORREJON AB, SP				1001
SATELLITE COMMUNICATIONS GROUND TERMINAL	1,450	1,450	35	1002
BASE SUBTOTAL:	1,450	1,450		
UPPER HEYFORD RAF, UK				1004
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	1,200	35	1005
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP	2,300	2,300	55	1007
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,500	4,500	35	1009
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	6,000	6,000	35	1011
BASE SUBTOTAL:	14,000	14,000		
VARIOUS LOCATIONS, OVERSEAS				1014
AUXILIARY SEISMIC NETWORK	3,953	3,953	35	1014
BASE SUBTOTAL:	3,953	3,953		
WELFORD RAF, UK				1019
MUNITIONS SURVEILLANCE AND INSPECTION SHOP	760	760	35	1119
GROUND DEFENSE MUNITIONS STORAGE IGLOOS	830	830	80	1120
BASE SUBTOTAL:	1,590	1,590		
WETHERSFIELD RAF, UK				1020
SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	650	650	50	1120
BASE SUBTOTAL:	650	650		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
WOENSDRECHT AB, NL				1021
GLCM-FIRE STATION	1,000	1,000	95	1042
GLCM-TELECOMMUNICATIONS CENTER	1,000	1,000	90	1042
GLCM-TOWER SUPPORT	350	350	80	1043
GLCM-HIGH FREQUENCY FACILITY	1,600	1,600	95	1038
GLCM-OPERATIONS AND MAINTENANCE TRAINING FACILITY	1,700	1,700	100	1034
GLCM-VEHICLE CORROSIONAFE CONTROL FACILITY	700	700	35	1042
GLCM-BASE CIVIL ENGINEER COMPLEX	3,500	3,500	95	1028
GLCM-BASE SUPPLY COMPLEX	2,350	2,350	95	1032
GLCM-SUBSISTENCE STORAGE FACILITY	1,050	1,050	95	1040
GLCM-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	7,300	7,300	100	1026
GLCM-DINING HALL	1,600	1,600	95	1036
GLCM-UNACCOMPANIED OFFICER PERSONNEL HOUSING	3,000	3,000	100	1030
GLCM-UTILITIES, PAVEMENTS AND ROADS	8,600	8,600	100	1024
GLCM-VEHICLE OPERATIONS COMPLEX	550	550	100	1043
BASE SUBTOTAL:	34,300	34,300		
WOODBRIDGE RAF, UK				1044
CORROSION CONTROL FACILITY	3,400	3,400	45	1045
SUPPLY WAREHOUSE	1,650	1,650	35	1047
BASE SUBTOTAL:	5,050	5,050		
WUESCHHEIM AS, GE				1049
GLCM BASE CIVIL ENGINEER PAVEMENTS/GROUND SHOP	310	310	35	1108
BASE SUBTOTAL:	310	310		
ZARAGOZA AB, SP				1050
SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	540	540	35	1115
BASE SUBTOTAL:	540	540		

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
ZWEIBRUCKEN AB, GE				1051
ALTERNATE LAUNCH AND RECOVERY SURFACE (ALRS)	3,550	3,550	35	1052
CHEM WARFARE PROTECT-AIR PHOTO INTERPRETATION FACILITY (APIF)	950	950	55	1108
CHEM WARFARE PROTECT-SQUADRON OPERATIONS	1,940	1,940	45	1054
EDS-FORWARD STORAGE WAREHOUSE	1,100	1,100	100	1057
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,750	2,750	45	1059
BASE SUBTOTAL:	10,290	10,290		
COMMAND TOTAL:	335,883	348,963		

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	303	2,839	90	0	0	0	4	25	0	3,261
b. END FY 19 91	368	2,577	92	0	0	0	4	25	0	2,966

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,448)	
b INVENTORY TOTAL AS OF 30 Sept 85	92,959
c AUTHORIZATION NOT YET IN INVENTORY	18,860
d AUTHORIZATION REQUESTED IN THIS PROGRAM	8,220
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	4,150
f PLANNED IN NEXT THREE PROGRAM YEARS	23,150
g REMAINING DEFICIENCY	3,790
h GRAND TOTAL	151,129

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	GLCM-Various Support Facilities	LS	12,200	Jun 84	Aug 86
131-118	Digital European Backbone Facility	3,700 SF	1,200	Jun 85	Aug 86
141-453	Base Operations Facility	8,700 SF	900*	Mar 84	Sep 85
211-154	Aircraft Maintenance Facility	7,000 SF	640	Dec 84	Aug 86
700-000	TR-1-Various Support Facilities	LS	3,030	Feb 85	Oct 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	212 PN	2,450	Mar 85	Jun 86
	Total Appropriations Request		20,420		
	Total Authorization Request		19,520		
	Carry-over Authorization in FY 86		900*		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	206 PN	2,150
730-773	Add to and Alter Chapel	10,450 SF	1,100
841-427	Water Storage	LS	900
	Total		4,150

(b) Typical Planned Next Three Years:

111-111	Alter Launch and Recovery Surface	89,400 SY	3,800
721-312	Alter Unaccompanied Enlisted Personnel Housing	206 PN	2,150

10. Mission or Major Functions: Tactical Reconnaissance Wing provides management, command, control and direction for USAFE assigned units. Base support one Tactical Reconnaissance Sq. (RF-4C) and one Tactical Fighter Training Squadron (F-5). Tenant units include a Strategic Reconnaissance Sq. (SAC) base will provide support to GLCM unit at RAF Molesworth.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 0.97

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

II. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE GLCM-VARIOUS SUPPORT FACILITIES

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 100-000	7 PROJECT NUMBER AEDY870002	8 PROJECT COST ($000) 12,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-VARIOUS SUPPORT FACILITIES	LS			12,200
CONSOLIDATED SUPPORT CENTER	SF	97,000		(8,800)
ADD TO AND ALTER PHYSICAL TRAINING FACILITY	SF	19,950		(2,100)
BASE THEATER	SF	10,900		(1,300)
TOTAL REQUEST				12,200

NOTE 1. THE ABOVE COSTS ARE ROUNDED AND INCLUDE SUPPORTING FACILITIES, CONTINGENCIES (5%), SUPERVISION, INSPECTION AND OVERHEAD (2.5%)

NOTE 2. THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON REQUIREMENTS AT RAF MOLESWORTH. INDIVIDUAL PROJECT JUSTIFICATIONS ARE SHOWN ON ATTACHED DD FORMS 1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Provides funds for various types of facilities to support assigned personnel.

11. REQUIREMENT: As required.

PROJECT: Construct facilities to support the beddown of the Ground Launched Cruise Missile (GLCM).

REQUIREMENT: Basic base operating support facilities are necessary to support the GLCM personnel assigned to the system. As the system is deployed to the field it will go to new and/or existing or reopened bases. In this case, we are providing necessary facilities at an existing base, RAF Alconbury, which supports the weapon system beddown at RAF Molesworth. To support the deployment of the GLCM weapons system and assigned personnel, administrative and troop support facilities are required. Without these facilities, the personnel assigned to the system will not be adequately supported.

CURRENT SITUATION: The first phase in FY 85 and second phase in FY 86 provided the basic mission support items for GLCM. This is the third phase of the base operating support and will provide personnel support requirements for the beddown. The last phase in the FY 88 program will provide the final increment of facilities to accommodate the assigned personnel.

IMPACT IF NOT PROVIDED: It will not be possible to support the personnel manning the weapon system. Approximately $10M is being funded from NATO infrastructure for operational facilities. These projects are not NATO eligible.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE GLCM - CONSOLIDATED SUPPORT CENTER

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 610-249	7 PROJECT NUMBER AEDY86900100	8 PROJECT COST ($000) 8,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-CONSOLIDATED SUPPORT CENTER	SF	97,000	72	6,984
SUPPORTING FACILITIES				1,215
UTILITIES	LS			(190)
SITE IMPROVEMENTS	LS			(285)
PAVEMENTS	LS			(275)
FIRE PROTECTION	LS			(175)
COMMUNICATIONS	LS			(290)
SUBTOTAL				8,199
CONTINGENCY (5%)				410
TOTAL CONTRACT COST				8,609
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				215
TOTAL REQUEST				8,824
TOTAL REQUEST (ROUNDED)				8,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roofs, concrete foundation, and masonry walls.

11. REQUIREMENT: 110,000 SF ADEQUATE: 13,600 SUBSTANDARD: 50,000 SF

PROJECT: Construct a central base complex to house command personnel and administrative functions.

REQUIREMENT: The personnel increase driven by the GLCM beddown at RAF Molesworth generates a corresponding increase in administrative and other essential personnel actions. The additional personnel assigned to provide this support need an adequate place in which to work. Given the existing base deficiency in administrative space, the only viable alternative is to provide a new facility.

CURRENT SITUATION: The majority of existing adminstrative functions are housed in cramped wooden facilities built 25 to 30 years ago. These buildings are energy inefficient and require frequent maintenance and repair.

IMPACT IF NOT PROVIDED: Without this facility, administrative support of the personnel assigned to RAF Alconbury will continue to be inadequate. This situation will be complicated by the GLCM personnel increase. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		
4. PROJECT TITLE GLCM-CONSOLIDATED SUPPORT CENTER		5. PROJECT NUMBER AEDY869001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 01
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	475
(b) All Other Design Costs	0
(c) Total	475
(d) Contract	475
(e) In-house	0

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE GLCM-ADD TO AND ALTER PHYSICAL TRAINING FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.73.14	740-674	ADEY869002	2,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-ADD TO AND ALTER PHYSICAL TRAINING FACILITY	LS			1,612
ADDITION	SF	17,400	83	(1,444)
ALTERATION	SF	2,550	66	(168)
SUPPORTING FACILITIES				325
UTILITIES	LS			(155)
PAVEMENTS	LS			(115)
SITE IMPROVEMENTS	LS			(50)
COMMUNICATIONS	LS			(5)
SUBTOTAL				1,937
CONTINGENCY (5%)				97
TOTAL CONTRACT COST				2,034
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				51
TOTAL REQUEST				2,085
TOTAL REQUEST (ROUNDED)				2,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Two-story steel frame addition, concrete floor and roof, structural roof system, and masonry walls.

11. REQUIREMENT: 51,600 SF ADEQUATE: 19,085 SF SUBSTANDARD: 960 SF

PROJECT: Add to and alter an existing physical training facility.

REQUIREMENT: The existing base gymnasium must be expanded and altered to provide adequate space for physical conditioning and recreation for assigned personnel. To support the Air Force physical fitness program and maintain morale at a high standard, a complete and diversified sports program is essential.

CURRENT SITUATION: Existing facilities are inadequate to support the current base population. The manpower increase by the beddown of the GLCM mission at RAF Molesworth will compound this problem.

IMPACT IF NOT PROVIDED: Lack of an adequate facility degrades the physical fitness and morale of assigned personnel, and will have an adverse affect on the mission. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		
4. PROJECT TITLE GLCM-ADD TO AND ALTER PHYSICAL TRAINING FACILITY		5. PROJECT NUMBER ADEY869002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 JUN 19
	(b) Percent Complete as of January 1986	60
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 31
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	0
	(b) All Other Design Costs	0
	(c) Total	0
	(d) Contract	0
	(e) In-house	0
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1982 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		4 PROJECT TITLE GLCM-BASE THEATER	
5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 740-873	7 PROJECT NUMBER ADEY869005	8 PROJECT COST ($000) 1,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-BASE THEATER	SF	10,900	95	1,035
SUPPORTING FACILITIES				170
UTILITIES	LS			(85)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(30)
COMMUNICATIONS	LS			(15)
SUBTOTAL				1,205
CONTINGENCY (5%)				60
TOTAL CONTRACT COST				1,265
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				32
TOTAL REQUEST				1,297
TOTAL REQUEST (ROUNDED)				1,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation, and masonry walls.

11. REQUIREMENT: 17,200 SF ADEQUATE: 0 SF SUBSTANDARD: 10,921 SF

PROJECT: Construct a 500-seat base theater.

REQUIREMENT: The base theater has three basic functions. It is used as an auditorium where commanders can assemble their personnel for group instruction. Such activities as officers and airmen calls, organizational meetings, and troop information programs are regularly held in this facility. The facility is also used to show motion pictures and present live stage productions.

CURRENT SITUATION: The existing theater cannot support the current base population. Several briefings and instructional sessions must be scheduled on a single topic because the present facility cannot accommodate the required military audiences. Personnel are regularly turned away from the theater whenever a moderately popular movie is showing. Projected GLCM personnel increases will complicate this situation.

IMPACT IF NOT PROVIDED: Without this facility, commanders will continue to have to use an inadequate facility to support their organizational briefing requirements and base personnel will continue to suffer the frustration of being turned away from movies. The former adversely affects information dissemination and the latter adversely affects morale. Both can adversely affect mission readiness. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		
4. PROJECT TITLE GLCM-BASE THEATER		5. PROJECT NUMBER ADEY869005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 MAR 19
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 JUL 31
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	70
	(b)	All Other Design Costs	0
	(c)	Total	70
	(d)	Contract	70
	(e)	In-house	0
(4)	Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY

5 PROGRAM ELEMENT 3.31.26	6 CATEGORY CODE 131-118	7 PROJECT NUMBER ESDS870010	8 PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIGITAL EUROPEAN BACKBONE FACILITY	SF	3,700	210	777
SUPPORTING FACILITIES				320
UTILITIES	LS			(260)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS	LS			(5)
SUBTOTAL				1,097
CONTINGENCY (5%)				55
TOTAL CONTRACT COST				1,152
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				29
TOTAL REQUEST				1,181
TOTAL REQUEST (ROUNDED)				1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(384)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Semi-hardened reinforced concrete foundation, floor slab, walls and roof; emergency generator, utilities and site support. Includes technical and administrative areas. Air Conditioning - 5 Tons.

11. REQUIREMENT: 3,700 ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a facility to house Digital European Backbone (DEB) communications equipment.

REQUIREMENT: DEB is a microwave relay system used as the primary defense communication system for the US Armed Forces in Europe. It furnishes rapid and reliable service capable of secure and non-secure communications in both voice and data modes.

CURRENT SITUATION: The current microwave communications system is insufficient in channel capacity and insecure for transmitting classified information. This digital upgrade will provide increased channel capacity and reliability. It will also provide bulk encryptioned secure communications for users in Europe.

IMPACT IF NOT PROVIDED: Without this site, a vital link of the DEB cannot be provided. This would degrade other high priority systems depending on this DEB for continuity of their communication linkage. This project is not eligible for NATO funding.

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION

RAF ALCONBURY ', UNITED KINGDOM

4 PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY	5. PROJECT NUMBER ESDS870010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JUN 15
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 31

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - 85

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	60
(b) All Other Design Costs	0
(c) Total	60
(d) Contract	60
(e) In-house	0

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Antenna and Tower	3080	87	166
Radius	3080	87	300
AN/FCC-99/98	3080	87	320
UPS/Batteries	3080	87	35
Tramcon/Comsec	3080	87	63

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE TR-1-SUPPORT FACILITIES

5 PROGRAM ELEMENT 2.72.15	6 CATEGORY CODE 100-000	7 PROJECT NUMBER AEDY856010	8 PROJECT COST ($000) 3,030

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TR-1-SUPPORT FACILITIES	LS			3,030
VISITING AIRMEN QUARTERS	PN	32		(1,300)
LIBRARY	SF	10,500		(1,050)
AIRCRAFT MAINTENANCE FACILITY	SF	4,300		(680)
TOTAL REQUEST				3,030

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5%) AND SUPERVISION, INSPECTION AND OVERHEAD (2.5%).

NOTE 2: THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON TR-1 MISSION EXPANSION AT RAF ALCONBURY. PROJECT JUSTIFICATIONS FOLLOW ON DD FORMS 1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor, walls with special structural frame, roof system, utilities and mechanical systems. Provides operations, chemical/biological protection, and living facilities for the TR-1 mission.

11. REQUIREMENT: As required.

PROJECT: Construct facilities as necessary to support the TR-1 aircraft.

REQUIREMENT: Adequate facilities, properly sized, configured and located, are required to support the various operations, maintenance, and support functions associated with the expanding mission of TR-1 reconnaissance aircraft at RAF Alconbury.

CURRENT SITUATION: Existing facilities are being used by the currently assigned TR-1, RF-4, and F-5 aircraft. The RF-4 and F-5 will remain at RAF Alconbury while the TR-1 beddown continues. Existing facilities are inadequate to support the mission expansion of the TR-1 reconnaissance aircraft. NATO will provide minimum essential facilities in accordance with the NATO facility requirements plan. Construction of new facilities is required to satisfy mission needs. New facilities are planned only when there is no existing facility available or when an existing facility cannot be economically expanded or altered.

IMPACT IF NOT PROVIDED: Reconnaissance and precision location strike system operations will be severely limited which would be detrimental to the security of the United States and all other NATO countries. Project is not NATO eligible.

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE TR-1-VISITING AIRMEN QUARTERS

5 PROGRAM ELEMENT 2.72.15	6 CATEGORY CODE 721-315	7 PROJECT NUMBER AEDY879007	8 PROJECT COST ($000) 1,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TR-1-VISITING AIRMEN QUARTERS (32 PN)	SF	10,600	60	636
SUPPORTING FACILITIES				565
UTILITIES	LS			(235)
PAVEMENTS	LS			(140)
SITE IMPROVEMENTS	LS			(165)
COMMUNICATIONS	LS			(25)
SUBTOTAL				1,201
CONTINGENCY (5%)				60
TOTAL CONTRACT COST				1,261
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				32
TOTAL REQUEST				1,293
TOTAL REQUEST (ROUNDED)				1,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Three-story structure using loadbearing masonry walls, concrete foundations and floor slabs. Functional areas include room-bath-room modules, centralized lounges, laundry, storage area and mechanical room. All utilities and necessary support. Grade Mix: 16 E1-E4, 12 E5-E6; 4 E7-E9.

11. REQUIREMENT: 2,045 PN ADEQUATE: 283 PN SUBSTANDARD: 922 PN

PROJECT: Construct a visiting airmen quarters (VAQ).

REQUIREMENT: Adequate quarters are required to properly accommodate TDY airmen. The base has had an increase in TR-1 mission requirements resulting in additional TDY personnel. Properly designed and furnished quarters must be provided to preclude the use of off-base contract quarters and the associated expenditure of funds.

CURRENT SITUATION: The existing VAQ facility is wooden construction built in 1955 for temporary use. The rooms do not meet the Air Force minimum standards in safety, construction, and room size. This situation has resulted in TDY airmen being billeted off-base in contract quarters. These commercial hotels are not within walking distance of the base and most are older facilities which do not meet USAF billeting standards. Visiting airmen must compete with newly arriving or departing personnel for use of these limited commercial hotels which is an irritant to these personnel and a known contributor to low reenlistment rates.

IMPACT IF NOT PROVIDED: Substandard accommodation for TDY airmen, unnecessary expense to the government, and loss of productivity due to excessive travel requirements will continue to exist. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		
4. PROJECT TITLE TR-1-VISITING AIRMEN QUARTERS		5. PROJECT NUMBER AEDY866015

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 19
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	63
(b)	All Other Design Costs	0
(c)	Total	63
(d)	Contract	63
(e)	In-house	0

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE TR-1-LIBRARY

5 PROGRAM ELEMENT 2.72.15	6 CATEGORY CODE 740-675	7 PROJECT NUMBER AEDY879009	8 PROJECT COST ($000) 1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TR-1-LIBRARY	SF	10,500	75	787
SUPPORTING FACILITIES				195
UTILITIES	LS			(65)
SITE IMPROVEMENTS	LS			(70)
PAVEMENTS	LS			(55)
COMMUNICATIONS SUPPORT	LS			(5)
SUBTOTAL				982
CONTINGENCY (5%)				50
TOTAL CONTRACT COST				1,032
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				26
TOTAL REQUEST				1,058
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, and floor slab, structural frame, walls, roof system, utilities and necessary support.

11. REQUIREMENT: 10,500 SF ADEQUATE: 6,334 SF SUBSTANDARD: 0

PROJECT: Construct a recreational library.

REQUIREMENT: An adequate facility is required to accommodate the base library, an important function which contributes to the overall support of base educational and recreational programs, and provides an outlet for creative use of leisure time. It must have sufficient space for cataloging and housing an assortment of technical books, recreational books, and periodicals, for work and reading areas.

CURRENT SITUATION: The existing library shares a facility with the recreation center. The library is too small to accommodate a normal library program. There is no music room or adequate space for research. Assigned personnel wishing to improve themselves through base educational programs are frustrated by the lack of available technical reference materials for college level courses. The existing library will be converted to recreation center space which will satisfy its total requirement.

IMPACT IF NOT PROVIDED: The library program will continue at less than an acceptable level, denying personnel the opportunity to improve themselves through the education program.

ADDITIONAL: This project is not eligible for NATO funding.

DD FORM DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		
4. PROJECT TITLE TR-1-LIBRARY		5. PROJECT NUMBER AEDY866011

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 08
	(b) Percent Complete as of January 1986	45
	(c) Percent Complete as of October 1986	95
	(d) Date Design Complete	86 OCT 31
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	49
	(b) All Other Design Costs	0
	(c) Total	49
	(d) Contract	49
	(e) In-house	0
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		
4. PROJECT TITLE TR-1-SUPPORT FACILITIES		5. PROJECT NUMBER

($000)

TR-1-AIRCRAFT MAINTENANCE FACILITY SCOPE: 4,300 SF COST: 680
AEDY879008 CATEGORY CODE: 211-154

REQUIREMENT: 21,000 SF ADEQUATE: 4,344 SF SUBSTANDARD: 6,426 SF

Construct a new aircraft maintenance facility. An Organizational Maintenance Shop (OMS) is required to support TR-1 aircraft operations near the aircraft parking area. It is essential to maintain the capability to test and repair engines and their components during day-to-day operations. Presently this operation is working out of an interim facility sized for the current number of TR-1 aircraft and mission demands. The existing interim shop is located in a hangar which is not designed or intended to be permanently used by organizational maintenance personnel of a tactical reconnaissance wing. This shop is inadequate in size and cannot be expanded due to configuration of the hangar. Without this project, maintenance personnel will not have adequate facilities near the aircaft and their respective shelters. The TR-1 system will not be fully exploited due to a lack of maintenance required to cycle mission aircraft.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM	4 PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER AEDY879001	8 PROJECT COST ($000) 2,450

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (212 PN)	SF	33,300	48	1,598
SUPPORTING FACILITIES				580
SITE IMPROVEMENTS				(210)
UTILITIES				(185)
PAVEMENTS				(160)
COMMUNICATIONS				(25)
SUBTOTAL				2,178
CONTINGENCY (10%)				218
TOTAL CONTRACT COST				2,396
SUPERVISION, INSPECTION AND OVERHEAD (2.5)				60
TOTAL REQUEST				2,456
TOTAL REQUEST (ROUNDED)				2,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical work including conversion of central hallways to semiprivate bathrooms and central latrines to bedrooms. Includes construction of balconies, improved noise attenuation and energy conservation features.
GRADE MIX: 212 E1-E4

11. REQUIREMENT: 1,990 PN ADEQUATE: 906 PN SUBSTANDARD: 922 PN

PROJECT: Alter two unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1958. They have inadequate lighting, poor insulation and sound attenuation, and inadequate electrical and mechanical systems.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. This project is not NATO eligible.

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE
3 INSTALLATION AND LOCATION RAF ALCONBURY, UNITED KINGDOM		
4 PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER AEDY879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 08
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	142
	(b) All Other Design Costs	0
	(c) Total	142
	(d) Contract	142
	(e) In-house	0
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 0.95

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	87	330	40	0	0	0	24	120	9	610
b. END FY 19 91	89	331	44	0	0	0	24	120	9	617

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (158)	
b INVENTORY TOTAL AS OF 30 Sept 85	10,464
c AUTHORIZATION NOT YET IN INVENTORY	950
d AUTHORIZATION REQUESTED IN THIS PROGRAM	6,780
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,600
f PLANNED IN NEXT THREE PROGRAM YEARS	440
g REMAINING DEFICIENCY	0
h GRAND TOTAL	21,234

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610-000	Consolidated Support Center	38,000 SF	3,050	Mar 85	Sep 86
721-312	Unaccompanied Enlisted Personnel Housing	64 PN	930	Sep 85	Oct 86
722-351	Dining Hall	7,500 SF	1,250	Apr 85	Apr 86
730-773	Chapel Center	13,500 SF	1,550	Jul 85	Jun 86
	Total		6,780		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	192 PN	2,600

(b) Typical Planned Next Three Years:

442-515	Second Echelon Medical Logistics Storage Facility	4,100 SF	440

10. Mission or Major Functions: This base hosts/supports the U.S. Logistics Group (TUSLOG) Headquarters for Turkey and off base communications sites.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY	4. PROJECT TITLE CONSOLIDATED SUPPORT CENTER

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 610-000	7 PROJECT NUMBER ANKR899004	8 PROJECT COST ($000) 3,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED SUPPORT CENTER	SF	38,000	62	2,356
SUPPORTING FACILITIES				380
PAVEMENTS	LS			(170)
COMMUNICATIONS	LS			(90)
UTILITIES	LS			(70)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				2,736
CONTINGENCY (5%)				137
TOTAL CONTRACT COST				2,873
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				158
TOTAL REQUEST				3,031
TOTAL REQUEST (ROUNDED)				3,050

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings, grade beams, concrete floor slab, masonry walls and built-up roof. Includes vehicle parking, utilities and other necessary support. Air Conditioning - 150 Tons.

11. REQUIREMENT: 38,000 SF ADEQUATE: 0 SUBSTANDARD: 457 SF

PROJECT: Construct a consolidated support center.

REQUIREMENT: Construct an adequately sized and configured facility to house wing headquarters, civil engineering, security police, operations, logistics, history office, contracting, judge advocate, public affairs, wing commander and vice commander, a consolidated wartime operations support center, Phase IV computer and communications squadron.

CURRENT SITUATION: The United States Logistics Group administrative support agencies are currently located in a DOD dependent school facility. Due to the student increase projected for the beginning of the 1987 school year, the school will have to take back this facility to provide adequate classroom and laboratory space. There are no available facilities to handle these functions. Estimated cost for leased facilities is $500,000 per year. Current deficiencies include a consolidated wartime operations support center and a Phase IV computer system which are included in the program. The communication function is located three miles from the command post and will be consolidated in this project.

IMPACT IF NOT PROVIDED: Continued use of poor functionally arranged Headquarters and Air Base Group facilities, forced use of leased facilities in the downtown area with degradation of the wartime mission

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY		
4. PROJECT TITLE CONSOLIDATED SUPPORT CENTER	5. PROJECT NUMBER ANKR899004	

and day-to-day operations due to lack of automation support. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

ANKARA AIR STATION, TURKEY

4. PROJECT TITLE CONSOLIDATED SUPPORT CENTER	5. PROJECT NUMBER ANKR899004

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAR 08
(b)	Percent Complete as of January 1986	35
(b)	Percent Complete as of October 1986	100
(a)	Date Design Complete	86 SEP 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	191
(b)	All Other Design Costs	112
(c)	Total	303
(d)	Contract	215
(e)	In-house	88

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY	4 PROJECT TITLE DINING HALL

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 722-351	7 PROJECT NUMBER AKNR879003	8 PROJECT COST ($000) 1,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DINING HALL	SF	7,500	130	975
SUPPORTING FACILITIES				150
UTILITIES	LS			(50)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				1,125
CONTINGENCY (5%)				56
TOTAL CONTRACT COST				1,181
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				65
TOTAL REQUEST				1,246
TOTAL REQUEST (ROUNDED)				1,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings, and floor slabs, masonry walls, structural frame and roof system. All utilities and necessary support. Includes serving, dishwashing, kitchen, storage, and administrative areas. Air Conditioning: 25 Tons.

11. REQUIREMENT: 7,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Construct a dining facility

REQUIREMENT: A dining facility is required to properly feed assigned and transient unaccompanied personnel. To attract and retain competent, professional enlisted personnel, the dining facility must provide a pleasant atmosphere. There must be adequate food preparation and dishwashing equipment, food storage equipment and dining area.

CURRENT SITUATION: The only dining facility currently available on-base is the dining room of the noncommissioned officers open mess which is small and poorly configured to feed the base population. The maximum capacity of the dining facility only satisfies half of the base feeding requirement. The open mess became the primary feeding facility in the 1970's and the number of personnel have increased beyond the open mess capacity in recent years. No other facilities are available at this isolated location. There are no available off-base facilities to safisfy this requirement.

IMPACT IF NOT PROVIDED: A dining facility will not be available for assigned and transient personnel at this isolated location. This condition will adversely affect the morale and effectiveness of all personnel. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY		
4. PROJECT TITLE DINING HALL		5. PROJECT NUMBER AKNR879003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 APR 08
	(b)	Percent Complete as of January 1986	40
	(b)	Percent Complete as of October 1986	100
	(a)	Date Design Complete	86 APR 01
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	0
	(b)	All Other Design Costs	105
	(c)	Total	105
	(d)	Contract	0
	(e)	In-house	105
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY	4 PROJECT TITLE CHAPEL CENTER

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 730-773	7 PROJECT NUMBER ANKR879001	8 PROJECT COST ($000) 1,550

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHAPEL CENTER	SF	13,500	88	1,188
SUPPORTING FACILITIES				210
SUBTOTAL				1,398
CONTINGENCY (5%)				70
TOTAL CONTRACT COST				1,468
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				81
TOTAL REQUEST				1,549
TOTAL REQUEST (ROUNDED)				1,550

10 DESCRIPTION OF PROPOSED CONSTRUCTION Poured concrete footings, floor slab, masonry walls and roof system. Includes main chapel, sacrament room, classrooms, and other educational space. Includes utilities, paving, and other necessary support. Air conditioning: 50 Tons.

11. REQUIREMENT: 13,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Construct a chapel center.

REQUIREMENT: Facilities are necessary to stimulate religious motivation, protect and advance moral standards of conduct, encourage norms of character development, insure continuity of constructive religious instructions and foster worship and sacramental services.

CURRENT SITUATION: Worship services are presently held in the base theater. Acoustically this facility is not designed to function as a chapel which makes it extremely difficult to carry out religious functions. Lighting is also inadequate. Scheduling of other than Sunday morning services in the theater is always in competition with other functions and normal theater operation. There are no off-base American churches in Ankara. There are no facilities for storing and safeguarding of equipment. Chapel items are stored with other functions, causing many problems with security and accessibility. There are no offices adequate for confidential counseling by chaplains. There is no adequate place for chapel social functions or special ceremonies.

IMPACT OF NOT PROVIDED: Religious worship and education will continue to be seriously impacted by inadequate facilities. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ANKARA AIR STATION, TURKEY		
4. PROJECT TITLE CHAPEL CENTER		5. PROJECT NUMBER ANKR879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 07
	(b) Percent Complete as of January 1986	40
	(b) Percent Complete as of October 1986	100
	(a) Date Design Complete	86 JUL 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	136
	(b) All Other Design Costs	40
	(c) Total	176
	(d) Contract	136
	(e) In-house	40
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
AVIANO AIR BASE, ITALY	UNITED STATES AIR FORCES IN EUROPE	1.19

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	118	1,628	67	0	0	0	0	0	0	1,813
b. END FY 1991	119	1,649	73	0	0	0	0	0	0	1,841

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,121)	
b INVENTORY TOTAL AS OF 30 Sept 85	34,425
c AUTHORIZATION NOT YET IN INVENTORY	920
d AUTHORIZATION REQUESTED IN THIS PROGRAM	7,200
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,087
f PLANNED IN NEXT THREE PROGRAM YEARS	26,761
g REMAINING DEFICIENCY	1,200
h GRAND TOTAL	75,593

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-312	Unaccompanied Enlisted Personnel Housing	212 PN	4,200	May 85	Jun 86
724-417	Visiting Officer Quarters	104 PN	3,000*	Jun 85	Oct 86
	Total Appropriation Request		7,200		
	Total Authorization Request		4,200		
	Carry-over Authorization in FY 86		3,000*		

9. Future Projects: (a) Included in Following Program (FY 88):

141-700	CW Protection Squadron Operations	2,600 SF	1,517
442-758	Second Echelon Medical Logistics Facility	17,000 SF	1,000
610-127	Add to and Alter Base Civil Engineering Administration	12,200 SF	840
800-000	Energy Conservation Investment Program	LS	520
800-000	Energy Conservation Investment Program-Facility Energy Inprovement	LS	1,410
812-000	Security Lighting	LS	400
	Total		5,687

10. Mission or Major Functions: A Tactical Group Headquarters. Provides management, command, control and direction for USAFE units assigned and supports aircraft deployed on a rotational basis. Provides support to communications site throughout Italy.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER ASHE879010	8 PROJECT COST ($000) 4,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (212 PN)	SF	50,000	63	3,150
SUPPORTING FACILITIES				635
UTILITIES	LS			(275)
PAVEMENTS	LS			(175)
SITE IMPROVEMENTS	LS			(65)
DEMOLITION	LS			(75)
COMMUNICATIONS SUPPORT	LS			(45)
SUBTOTAL				3,785
CONTINGENCY (5%)				189
TOTAL CONTRACT COST				3,974
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				219
TOTAL REQUEST				4,193
TOTAL REQUEST (ROUNDED)				4,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, foundation, floors and pitched roof, masonry walls, fire protection, utilities and necessary support. Area includes room-bath-room configuration, closets, centralized storage, laundry, and support space. Grade mix: 168 E1-E4, 44 E5-E6.

11. REQUIREMENT: 1,079 PN ADEQUATE: 0 PN SUBSTANDARD: 619 PN

PROJECT: Construct unaccompanied enlisted personnel housing.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited local expensive rentals.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction. This project is not NATO eligible.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER ASHE879010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started 85 MAY 01
(b) Percent Complete as of January 1986 45
(b) Percent Complete as of October 1986 100
(a) Date Design Complete 86 JUN 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications 98
(b) All Other Design Costs 168
(c) Total 266
(d) Contract 135
(e) In-house 131

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
AVIANO AIR BASE, ITALY	VISITING OFFICER QUARTERS

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	724-417	ASHE855001	3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VISITING OFFICER QUARTERS (80 PN)	SF	36,800	68	2,502
SUPPORTING FACILITIES				220
SITE IMPROVEMENTS	LS			(90)
UTILITIES	LS			(90)
PAVEMENTS	LS			(40)
SUBTOTAL				2,722
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,858
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				157
TOTAL REQUEST				3,015
TOTAL REQUEST (ROUNDED)				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation, reinforced concrete frame building, concrete floors and pitched roof, masonry walls, fire protection system, utilities and necessary support. Area includes bedrooms, baths, closets, centralized storage, laundry rooms, and other support space. Air Conditioning: 120 Tons.
Grade Mix: 80 03-010.

11. REQUIREMENT: 104 PN ADEQUATE: 0 SUBSTANDARD: 30 PN

PROJECT: Construct Visiting Officers' Quarters.

REQUIREMENT: Adequate living quarters to properly accommodate the over 100 officers and civilians TDY daily to Aviano AB from various airlift squadrons and tactical deployment exercises, inspection teams and training units. Aviano AB is the only military aerial port in Italy serving all personnel of Air Force, Army, Navy, DOD and Embassies transiting the port on official business to other bases and operating locations in Italy.

CURRENT SITUATION: Only 30 VOQ spaces are available which are all too small. These spaces are utilized at double occupancy since adequate off-base quarters are unavailable. Expensive substandard contract quarters are utilized in the nearest city 10 miles away. Aircrews are sent for training on a continual basis since they are not permanently assigned. Aviano supports many operating locations in Italy with personnel, medical and training support. Transportation to off-base contract quarters must be provided by the USAF.

IMPACT IF NOT PROVIDED: Adequate VOQ quarters will not be available on or off-base to support TDY personnel. Costly contracting of substandard off-base quarters plus higher transportation costs will continue. This project is not NATO eligible.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 19^{87} MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		
4. PROJECT TITLE VISITING OFFICER QUARTERS		5. PROJECT NUMBER ASHE855001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 JUN 15
(b) Percent Complete as of January 1986	60
(c) Percent Complete as of October 1986	95
(d) Date Design Complete	86 OCT 15
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	184
(b) All Other Design Costs	25
(c) Total	209
(d) Contract	184
(e) In-house	25
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION BASE 30, CLASSIFIED LOCATION	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91 —										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE N/A	
b. INVENTORY TOTAL AS OF 30 Sept 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	4,775
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,450
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	9,175

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-312	TR-1-Unaccompanied Enlisted Personnel Housing	190 PN	2,950	Apr 85	Jan 87

9. Future Projects: (a) Included in following program (FY 88): Non

(b) Typical planned next three years:

740-316 Gymnasium 42,840 SF 1,450

10. Mission or Major Functions: N/A

11. Outstanding pollution and safety (OSH) deficiencies: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 30, CLASSIFIED LOCATION	4 PROJECT TITLE TR-1-UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.72.15	6 CATEGORY CODE 721-312	7 PROJECT NUMBER TYFR878023	8 PROJECT COST ($000) 2,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TR-1-UNACCOMPANIED ENLISTED PERSONNEL HOUSING (190 PN)	SF	36,100	58	2,094
SUPPORTING FACILITIES				585
UTILITIES	LS			(320)
PAVEMENTS	LS			(90)
COMMUNICATIONS	LS			(65)
SITE IMPROVEMENTS	LS			(110)
SUBTOTAL				2,679
CONTINGENCY (5%)				134
TOTAL CONTRACT COST				2,813
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				155
TOTAL REQUEST				2,968
TOTAL REQUEST (ROUNDED)				2,950

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation, masonry walls, fire protection, utilities and necessary support. Includes room-bath-room configuration, closets, lounges, centralized storage, laundry and support space. Grade Mix: 190 E1-E4.

11. REQUIREMENT: 2,942 PN ADEQUATE: 99 PN SUBSTANDARD: 1,168 PN

PROJECT: Construct an unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on base requirement in support of the TR-1 mission. Newly assigned TR-1 personnel will be forced to live off-base in either substandard quarters or compete with married personnel for limited local, expensive rentals.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will not be available, resulting in degradation of morale, productivity, and career satisfaction. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION
BASE 30, CLASSIFIED LOCATION

4. PROJECT TITLE TR-1-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER TYFR878023

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 APR 04
(b) Percent Complete as of January 1986	40
(b) Percent Complete as of October 1986	90
(a) Date Design Complete	87 JAN 05

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - 86

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	72
(b) All Other Design Costs	70
(c) Total	142
(d) Contract	72
(e) In-house	70

(4) Construction start 87 JUL

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION BASE 33, CLASSIFIED LOCATION	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 1991										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE N/A	
b INVENTORY TOTAL AS OF 30 Sept 85	
c AUTHORIZATION NOT YET IN INVENTORY	9,450
d AUTHORIZATION REQUESTED IN THIS PROGRAM	4,470
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f PLANNED IN NEXT THREE PROGRAM YEARS	
g REMAINING DEFICIENCY	
h GRAND TOTAL	13,920

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	C-130-Various Support Facilities	LS	4,470	Jan 85	Jul 86

9. Future Projects: N/A

10. Mission or Major Functions: N/A

11. Outstanding pollution and safety (OSH) deficiencies: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 33, CLASSIFIED LOCATION	4. PROJECT TITLE C-130-VARIOUS SUPPORT FACILITIES

5 PROGRAM ELEMENT 2.72.53	6 CATEGORY CODE 100-000	7 PROJECT NUMBER TYFR878026	8 PROJECT COST ($000) 4,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
C-130-VARIOUS SUPPORT FACILITIES	LS			4,470
CENTRAL SECURITY CONTROL	SF	6,500		(2,200)
SCI FACILITY	SF	4,800		(1,500)
ADD/ALTER FIRE STATION	SF	8,200		(770)
TOTAL				4,470

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NEW FACILITIES OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.5%).

NOTE 2: THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE COMPASS CALL BEDDOWN AT BASE 33. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED FORMS 1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor, walls with special structural frame, roof system, utilities and mechanical systems. Provide operations and support facilities for the Compass Call mission.

11. REQUIREMENT: As required.

PROJECT: Construct new and add to and alter existing facilities as necessary to support the beddown of Compass Call aircraft.

REQUIREMENT: Adequate facilities, properly sized, configured, and located are required to support the various operations, maintenance and support functions associated with the Compass Call mission.

CURRENT SITUATION: Existing facilities to be vacated by current base functions will be used by Compass Call to the maximum extent possible. All other facilities are being used by existing base functions which are not related to the Compass Call mission. There are not enough facilities available to adequately provide operations, maintenance and support space for the Compass Call beddown.

IMPACT IF NOT PROVIDED: The Compass Call mission cannot be performed in Europe which will severely reduce the effectiveness of US forces. These projects are not eligible for NATO funding.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BASE 33, CLASSIFIED LOCATION	4. PROJECT TITLE C-130-CENTRAL SECURITY CONTROL

5 PROGRAM ELEMENT 2.72·53	6 CATEGORY CODE 730-833	7 PROJECT NUMBER TYFR878027	8 PROJECT COST ($000) 2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
C-130-CENTRAL SECURITY CONTROL	SF	6,500	270	1,755
SUPPORTING FACILITIES				235
UTILITIES	LS			(130)
PAVEMENTS	LS			(65)
SITE IMPROVEMENTS	LS			(25)
COMMUNICATIONS	LS			(15)
SUBTOTAL				1,990
CONTINGENCY (5%)				100
TOTAL CONTRACT COST				2,090
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				115
TOTAL REQUEST				2,205
TOTAL REQUEST (ROUNDED)				2,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation, floor slab, reinforced concrete exterior walls and roof, heating, ventilation, lighting system, and pressure system to ensure survivability during CW operations. All utilities and necessary support.

11. Requirement: 6,500 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a semi-hardened, CB protected central security control.

REQUIREMENT: A semi-hardened, CB protected facility is required to house the primary command and control center for all security operations to protect priority "B" Compass Call resources. Command and control teams must be able to perform critical tasks in a clean environment without individual protection equipment. The immediate response teams must be able to process into and out of the building without contaminating the command and control personnel. This project will not duplicate any other base security police facility.

CURRENT SITUATION: There are no facilities available that can be converted to provide survivability for security force command and control and immediate response capabilities.

IMPACT IF NOT PROVIDED: Compass Call priority "B" resources cannot be placed at this installation until a central security control facility is available for resource protection. This project is not for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 33, CLASSIFIED LOCATION		
4. PROJECT TITLE C-130-CENTRAL SECURITY CONTROL		5. PROJECT NUMBER TYFR878027

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUN 04
(b)	Percent Complete as of January 1986	40
(b)	Percent Complete as of October 1986	100
(a)	Date Design Complete	86 JUL 01

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	75
(b)	All Other Design Costs	68
(c)	Total	143
(d)	Contract	75
(e)	In-house	68

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION BASE 33, CLASSIFIED LOCATION		4 PROJECT TITLE C-130-SCI FACILITY	
5 PROGRAM ELEMENT 2.72.53	6 CATEGORY CODE 141-000	7 PROJECT NUMBER TYPR878026	8 PROJECT COST ($000) 1,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
C-130-SCI FACILITY	SF	4,800	270	1,296
SUPPORTING FACILITIES				75
UTILITIES	LS			(45)
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(10)
COMMUNICATIONS	LS			(10)
SUBTOTAL				1,371
CONTINGENCY (5%)				69
TOTAL CONTRACT COST				1,440
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				79
TOTAL REQUEST				1,519
TOTAL REQUEST (ROUNDED)				1,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete (semi-hardened) facility with reinforced concrete foundations, floor slab and roof deck, cast-in-place or masonry walls. All required utilities. All necessary supporting sitework including fencing and alarms. Demolition of existing facility to make way for construction.

11. REQUIREMENT: 4,800 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a semi-hardened facility for sensitive compartmented information (SCI).

REQUIREMENT: Material processed in this facility requires semi-hardened construction for both security and survivability. Information developed by the unit must be received, evaluated, disseminated and stored in secure compartmented form for immediate use and for follow-on study.

CURRENT SITUATION: There are no existing facilities available which could be converted to meet the security requirements to protect sensitive compartmented information.

IMPACT IF NOT PROVIDED: Failure to provide secure facility for SCI will seriously degrade the ability of the unit to receive, evaluate and disseminate sensitive information. This project is not eligible for NATO funds.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BASE 33, CLASSIFIED LOCATION		
4. PROJECT TITLE C-130-SCI FACILITY		5. PROJECT NUMBER TYFR878026A

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 JAN 15
(b) Percent Complete as of January 1986	35
(b) Percent Complete as of October 1986	100
(a) Date Design Complete	86 APR 03
(2) Basis	
(a) Standard or Definitive Design -	Yes No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	43
(b) All Other Design Costs	32
(c) Total	75
(d) Contract	43
(e) In-house	32
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

BASE 33, CLASSIFIED LOCATION

4. PROJECT TITLE C-130-VARIOUS SUPPORT FACILITIES	5. PROJECT NUMBER

($000)

C-130-ADD/ALTER FIRE STATION SCOPE: 8,200 SF COST: 770
TYFR878028 CATEGORY CODE: 130-142

REQUIREMENT: 19,123 SF ADEQUATE: 12,123 SF SUBSTANDARD: 1,300 SF

Construct an addition (6,900 SF) to the existing fire station to include a washrack, two truck stalls, and required support faclities and remodel part (1,300 SF) of the existing facility to meet new requirements. To adequately protect Compass Call aircraft, the fire department requires additional personnel and a change in vehicle authorization. New vehicle authorizations require the construction of large stalls and an addition to the existing dormitory is required to house incoming personnel. Presently, four fire vehicles have to be parked outside and the existing stalls are inadequate for new vehicles required to support Compass Call aircraft. The sleeping area is open bay and is too small and congested to provide a sleeping area or shower facilities for female fire fighters. If this project is not approved, vehicles will be parked outside and be exposed to weather elements year round causing severe corrosion and freezing problems. Morale and work productivity will continue to decline due to the overcrowded and unsafe working environment. This project provides conjunctive funds for a NATO Slice 38 project.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM	4 COMMAND UNITES STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	314	4,328	138	0	0	0	4	21	126	4,931
b. END FY 1991	314	4,333	142	0	0	0	4	21	125	4,940

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,070)	
b. INVENTORY TOTAL AS OF 30 Sept 85	56,901
c. AUTHORIZATION NOT YET IN INVENTORY	12,050
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,670
f. PLANNED IN NEXT THREE PROGRAM YEARS	19,017
g. REMAINING DEFICIENCY	4,800
h. GRAND TOTAL	109,888

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-118	Digital European Backbone Facility	3,700 SF	1,200	Jun 85	Aug 86
442-515	Second Echleon Medical Logistics Storage Facility	21,000 SF	1,250	Mar 85	Jul 86
721-312	Alter Unaccompanied Enlisted Personnel housing	304 PN	3,700	Mar 85	Jul 86
730-443	Central Post Office	7,600 SF	650	Jan 85	Aug 86
740-316	Recreation Center	19,800 SF	2,250	Jul 82	Jul 86
841-165	Water Storage and Distribution System	LS	1,400	Aug 85	Jul 86
	Total		10,450		

9. Future Projects: (a) Included in Following Program (FY 88):

131-111	Semihardened Telecommunications Facility	2,300 SF	670
610-000	Consolidated Support Facility	72,000 SF	6,000
	Total		6,670

(b) Typical Planned Next Three Years:

141-700	CW Protection-Squadron Operations	2,600 SF	1,170
141-700	CW Protection-Squadron Operations	2,600 SF	1,170
812-000	Security Lighting	LS	600

10. Mission or Major Functions: Hosts a wing headquarters which is responsible for management, command, control and direction for USAFE units assigned to this base and those units assigned to nearby RAF Woodbridge and six tactical fighter squadrons operating A-10 aircraft in support of contingency and war plans.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM	4. PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY

5 PROGRAM ELEMENT 3.31.26	6 CATEGORY CODE 131-118	7. PROJECT NUMBER ESDS870009	8. PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIGITAL EUROPEAN BACKBONE FACILITY	SF	3,700	220	814
SUPPORTING FACILITIES	LS			280
COMMUNICATIONS SUPPORT	LS			(30)
UTILITIES	LS			(205)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS			(15)
SUBTOTAL				1,094
CONTINGENCY (5%)				55
TOTAL CONTRACT COST				1,149
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				29
TOTAL REQUEST				1,178
TOTAL REQUEST (ROUNDED)				1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(1,163)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Semi-hardened reinforced concrete foundation, floor slab, walls, roof; emergency generator, utilities and site support. Includes technical and administrative areas. Air Conditioning - 5 Tons.

11. REQUIREMENT: 3,700 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a facility to house Digital European Backbone (DEB) communications equipment.

REQUIREMENT: DEB is a microwave relay system used as the primary defense communication system for the US Armed Forces in Europe. It furnishes rapid and reliable service capable of secure and non-secure communications in both voice and data modes.

CURRENT SITUATION: The current microwave communications system is insufficient in channel capacity and insecure for transmitting classified information. This digital upgrade will provide increased channel capacity and reliability. It will also provide bulk encryptioned secure communications for users in Europe.

IMPACT IF NOT PROVIDED: Without this site, a vital link to the DEB cannot be provided. This would seriously degrade other high priority systems depending on DEB for continuity of their communication linkage. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF BENTWATERS , UNITED KINGDOM		
4. PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY		5. PROJECT NUMBER ESDS870009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
(a)	Date Design Started	85 JUN 15
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 31
(2)	Basis	
(a)	Standard or Definitive Design -	Yes X No
(b)	Where Design Was Most Recently Used -	85
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	60
(b)	All Other Design Costs	0
(c)	Total	60
(d)	Contract	60
(e)	In-house	0
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Antenna and Tower	3080	87	172
Radius	3080	87	450
AN/FCC-99/98	3080	87	415
UPS/Batteries	3080	87	35
Tramcon/Comsec	3080	87	91

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM	4. PROJECT TITLE SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY

5. PROGRAM ELEMENT 8.77.11	6. CATEGORY CODE 442-515	7. PROJECT NUMBER BHVM869009	8. PROJECT COST ($000) 1,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	SF	21,000	48	1,008
SUPPORTING FACILITIES				155
SITE IMPROVEMENT	LS			(40)
UTILITIES	LS			(80)
PAVEMENTS	LS			(30)
COMMUNICATION	LS			(5)
SUBTOTAL				1,163
CONTINGENCY				58
TOTAL CONTRACT COST				1,221
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				31
TOTAL REQUEST				1,252
TOTAL REQUEST (ROUNDED)				1,250

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, pre-engineered steel framing and insulated galvanized metal siding and roof, all utilities, paved open storage with necessary fire protection and security alarm.

11. REQUIREMENT: 24,250 SF ADEQUATE: 3,250 SF SUBSTANDARD: 0

PROJECT: Construct a second echelon medical logistics storage facility for storage of medical WRM assets.

REQUIREMENT: A facility to provide storage for medical WRM assets which will be used to treat contingency casualties at RAF Bentwaters.

CURRENT SITUATION: Current base storage facilities are not sufficient to accommodate present storage requirements and cannot support this WRM mission. Procurement of medical WRM assets has been approved and funded. This medical material is required to treat contingency casualties and cannot be delayed. Medical capability at this base is inadequate without these assets, to meet the projected casualty demand. The only available means of providing the required storage is to construct a new facility.

IMPACT IF NOT PROVIDED: A failure to fund this project will adversely impact the immediate life saving treatment of contingency casualties by denying this capability at base level. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM		
4. PROJECT TITLE SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY		5. PROJECT NUMBER BHVM869009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 MAR 27
	(b)	Percent Complete as of January 1986	50
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 JUL 31
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	68
	(b)	All Other Design Costs	0
	(c)	Total	68
	(d)	Contract	68
	(e)	In-house	0
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7. PROJECT NUMBER BHVW879009	8. PROJECT COST ($000) 3,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (304 PN)	SF	53,500	48	2,568
SUPPORTING FACILITIES				735
UTILITIES	LS			(365)
PAVEMENTS	LS			(265)
SITE IMPROVEMENTS	LS			(100)
COMMUNICATIONS	LS			(5)
SUBTOTAL				3,303
CONTINGENCY (10%)				330
TOTAL CONTRACT COST				3,633
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				91
TOTAL REQUEST				3,724
TOTAL REQUEST (ROUNDED)				3,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical work including conversion of central hallways into semiprivate bathrooms and central latrines into bedrooms. Includes construction of balconies, centralized storage, and laundry area.

GRADE MIX: 304 E1-E4.

11. REQUIREMENT: 2,171 PN ADEQUATE: 1,123 PN SUBSTANDARD: 1,026 PN

PROJECT: Alter three unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs that personnel must perform. The lack of such quarters is an irritant to these personnel and known contributor to low enlistment rates.

CURRENT SITUATION: These facilities were constructed in 1966. They have inadequate lighting, poor insulation and sound attenuation, and obsolete electrical and mechanical systems. This project is part of a multi-phase program to upgrade all base unaccompanied enlisted personnel housing units.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER BHVW879009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 MAR 15
(b) Percent Complete as of January 1986		35
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 JUL 31
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		203
(b) All Other Design Costs		0
(c) Total		203
(d) Contract		203
(e) In-house		0
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3. INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM	4. PROJECT TITLE RECREATION CENTER

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 740-316	7. PROJECT NUMBER BEVW86900300	8. PROJECT COST ($000) 2,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RECREATION CENTER	SF	19,800	79	1,564
SUPPORTING FACILITIES				510
UTILITIES	LS			(230)
SITE IMPROVEMENTS	LS			(200)
PAVEMENTS	LS			(70)
COMMUNICATIONS SUPPORT	LS			(10)
SUBTOTAL				2,074
CONTINGENCY (5%)				104
TOTAL CONTRACT COST				2,178
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				54
TOTAL REQUEST				2,232
TOTAL REQUEST (ROUNDED)				2,250

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundations and masonry construction. Connect to existing electric, water and sanitary sewer. Functional areas include game, hobby, meeting and music rooms; multipurpose, equipment storage and distribution, reception, and administrative areas; rest rooms and snack bar.

11. REQUIREMENT: 19,800 SF ADEQUATE: 0 SF SUBSTANDARD: 6,835 SF

PROJECT: Construct a recreation center.

REQUIREMENT: A facility is required to serve as a center for off-duty recreational and leisure time activities necessary to enhance the life of the Air Force communities at Bentwaters and Woodbridge.

CURRENT SITUATION: The existing facility is composed of several metal arch and single brick masonry buildings joined together to make one facility. They were constructed in the 1940's and are small, poorly configured, high resource consuming facilities that will be demolished as a result of this project. The poor functional layout detracts from the overall effectiveness of the facility and lack of space does not allow a full range of recreational services to be offered. Many persons are now denied access to recreational activities due to shortage of space. There are no available off-base facilities to satisfy this requirement.

IMPACT IF NOT PROVIDED: The range of recreational activities will remain limited, additional supervisory staff will still be required, and high maintenance costs will continue. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM		
4. PROJECT TITLE RECREATION CENTER		5. PROJECT NUMBER BHVW86900300

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	82 JUL 19
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	118
(b)	All Other Design Costs	0
(c)	Total	118
(d)	Contract	118
(e)	In-house	0

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM	4. PROJECT TITLE WATER STORAGE AND DISTRIBUTION SYSTEM

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 842-245	7. PROJECT NUMBER BHVW86900500	8. PROJECT COST ($000) 1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER STORAGE AND DISTRIBUTION SYSTEM	LS			1,203
WATER STORAGE TANK	EA	1	260,000	(260)
WATER DISTRIBUTION MAINS	LF	41,000	23	(943)
SUPPORTING FACILITIES				75
SITE IMPROVEMENTS	LS			(35)
PAVEMENTS	LS			(15)
CATHODIC PROTECTION	LS			(15)
UTILITIES	LS			(10)
SUBTOTAL				1,278
CONTINGENCY (5%)				64
TOTAL CONTRACT COST				1,342
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				34
TOTAL REQUEST				1,376
TOTAL REQUEST (ROUNDED)				1,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION An 80,000 gallon high level water storage tank with interior paint and cathodic protection. Excavate to install approximately 41,000 LF of pipeline as a new distribution system with all ancillary work to interface with the existing water supply and treatment system. Include all utility support and equipment.

11. REQUIREMENT: 395 KG ADEQUATE: 168 KG SUBSTANDARD: 147 KG

PROJECT: Provide an on-base water storage and distribution system.

REQUIREMENT: An adequate water supply is needed for domestic, industrial, and fire fighting purposes. This project is necessary to ensure that the quality and quantity of water at RAF Bentwaters is maintained within acceptable standards. A new 80,000 gallon storage tank complete with a distribution system is required to meet the current fire flow demand.

CURRENT SITUATION: The existing water distribution system was installed in 1943 to British wartime standards and cannot meet current requirements for quality, fire fighting or storage. It has been extended and modified as facilities have been added to the base. These extentions and modifications were sized only for the specific facility being built and cannot accept additional loads. A engineering analysis performed in 1978 states that the present water system cannot meet current storage or fire fighting requirements.

IMPACT IF NOT PROVIDED: Lack of adequate water storage during peak fire demands could result in loss of lives and property. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF BENTWATERS, UNITED KINGDOM		
4. PROJECT TITLE WATER STORAGE AND DISTRIBUTION SYSTEM		5. PROJECT NUMBER BHYW86900500

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 AUG 23
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 31
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	70
	(b) All Other Design Costs	0
	(c) Total	70
	(d) Contract	70
	(e) In-house	0
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION BITBURG AIR BASE, GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.07

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	314	3,418	100	0	0	0	40	744	26	4,642
b. END FY 19 91	322	3,510	112	0	0	0	40	744	26	4,754

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,372)	
b INVENTORY TOTAL AS OF 30 Sept 85	57,933
c AUTHORIZATION NOT YET IN INVENTORY	7,350
d AUTHORIZATION REQUESTED IN THIS PROGRAM	5,350
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,510
f PLANNED IN NEXT THREE PROGRAM YEARS	44,501
g REMAINING DEFICIENCY	3,150
h GRAND TOTAL	135,794

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-118	Digital European Backbone Facility	3,700 SF	1,200	May 85	Sep 86
442-000	RRR Equipment Storage Facility	17,000 SF	960	Jul 85	Jun 86
442-758	Passive Defense Equipment Storage Facility	14,000 SF	770	Jul 85	May 86
841-427	Water Storage Tank	200 KG	480	Aug 85	Jul 86
851-147	Alter Base Main Entrance	LS	440	Aug 85	Jan 87
899-00W	Add to and Alter Sewage Treatment Plant	LS	1,500	Oct 85	Aug 86
	Total:		5,350		

9. Future Projects: Included in Following Program (FY 88):

111-111	Alter Launch & Recovery Surface	89,400 SY	4,500
130-142	Add to and Alter Fire Station	4,715 SF	650
721-312	Unaccompanied Enlisted Personnel Housing	324 PN	4,800
721-415	Unaccompained Officer Personnel Housing	120 PN	4,800
730-443	Branch Post Office	5,400 SF	530
740-674	Add to and Alter Gymnasium	14,000 SF	1,400
740-884	Child Care Center	7,140 SF	830
	Total:		17,510

10. Mission or Major Functions: This base hosts a wing headquarters which is responsible for management, command, control and direction for USAFE units assigned and three tactical fighter squadrons operating F-15 aircraft which support contingency and war plans.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	1,500
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BITBURG AIR BASE, GERMANY	4. PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY

5 PROGRAM ELEMENT 3.31.26	6 CATEGORY CODE 131-118	7 PROJECT NUMBER ESDS870012	8. PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIGITAL EUROPEAN BACKBONE FACILITY	SF	3,700	220	814
SUPPORTING FACILITIES				285
UTILITIES	LS			(230)
SITE IMPROVEMENTS	LS			(25)
PAVEMENTS	LS			(10)
FUEL STORAGE	LS			(10)
OPERATIONS & MAINTENANCE MANUALS	LS			(10)
SUBTOTAL				1,099
CONTINGENCY (5%)				55
TOTAL CONTRACT COST				1,154
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				63
TOTAL REQUEST				1,217
TOTAL REQUEST (ROUNDED)				1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(923)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Semi-hardened reinforced concrete foundation, floor slab, walls, roof; emergency generator, utilities and necessary site support. Includes technical and administrative areas. Air Conditioning - 5 Tons.

11. REQUIREMENT: 3,700 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a facility to house Digital European Backbone (DEB) communications equipment.

REQUIREMENT: DEB is a microwave relay system which is required as the primary defense communication system for the US Armed Forces in Europe. It furnishes rapid and reliable service capable of secure and non-secure communications in both voice and data modes.

CURRENT SITUATION: The current microwave communications system is insufficient in channel capacity and insecure for transmitting classified information. This digital upgrade will provide increased channel capacity, higher degree of reliability, and bulk encryptioned secure communications for users in Europe.

IMPACT IF NOT PROVIDED: Without this site, a vital link of the DEB cannot be provided. This would seriously degrade other higher priority systems depending on DEB for continuity of their communication link. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BITBURG AIR BASE, GERMANY		
4. PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY		5. PROJECT NUMBER ESDS870012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 10
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 25

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	42
(b)	All Other Design Costs	36
(c)	Total	78
(d)	Contract	42
(e)	In-house	36

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Antenna and Tower	3080	87	154
Radius	3080	87	300
AN/FCC-99/98	3080	87	370
UPS/Batteries	3080	87	35
Tramcon/Comsec	3080	87	64

1 COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2 DATE

3 INSTALLATION AND LOCATION
CAMP DARBY, ITALY

4 COMMAND
UNITED STATES AIR FORCES IN EUROPE

5 AREA CONST COST INDEX
1.19

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (N/A)	
b INVENTORY TOTAL AS OF 30 Sept 85	400
c AUTHORIZATION NOT YET IN INVENTORY	0
d AUTHORIZATION REQUESTED IN THIS PROGRAM	270
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f PLANNED IN NEXT THREE PROGRAM YEARS	456
g REMAINING DEFICIENCY	0
h GRAND TOTAL	1,126

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
422-257	Segregated Magazine	1,300 SF	270	Jul 85	Sep 86

9. Future Projects: (a) Included in Following Program (FY 88): None
(b) Typical Planned Next Three Years:

123-335	Diesel/Mogas Storage	3,780 BL	456

10. Mission or Major Functions: This installation is an Army munitions depot which is used by the Air Force for war readiness material storage.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION CAMP NEW AMSTERDAM, THE NETHERLANDS	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.10

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	120	1,464	23	0	0	0	0	0	0	1,607
b. END FY 19 91	123	1,530	38	0	0	0	0	0	0	1,691

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE NA	
b. INVENTORY TOTAL AS OF 30 Sept 85	9,383
c. AUTHORIZATION NOT YET IN INVENTORY	8,670
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,929
f. PLANNED IN NEXT THREE PROGRAM YEARS	9,560
g. REMAINING DEFICIENCY	2,200
h. GRAND TOTAL	40,992

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-111	Communication Maintenance Facility	4,500 SF	570	Dec 84	Sep 86
141-753	CW Protection-Squadron Operations Facility	2,600 SF	930	Jan 85	Nov 86
442-758	Add to Base Supply Complex	LS	2,450	Jan 85	Oct 86
730-773	Add to and Alter Chapel	LS	1,300	Apr 85	Oct 86
	Total		5,250		

9. Future Projects: (a) Included in Following Program (FY 88):

610-000	Consolidated Support Center	40,000 SF	3,729
740-443	Transient Lodging Facility	19,400 SF	2,200
	Total		5,929

(b) Typical planned next three years:

442-758	Equipment Storage Warehouse	LS	910
721-312	Unaccompanied Enlisted Personnel Housing	300 PN	4,400
721-312	Unaccompanied Enlisted Personnel Housing	228 PN	4,000

10. Mission or Major Functions: This base hosts a squadron headquarters which is responsible for management, command, control, and direction for USAFE units assigned and one tactical fighter squadron operating F-15 aircraft which support contingency and war plans. (Dutch Base)

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CAMP NEW AMSTERDAM, THE NETHERLANDS	4. PROJECT TITLE ADD TO BASE SUPPLY COMPLEX

5 PROGRAM ELEMENT 2.7596	6 CATEGORY CODE 442-758	7. PROJECT NUMBER VWLB879012	8. PROJECT COST ($000) 2,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO BASE SUPPLY COMPLEX	LS			1,584
SUPPLY EQUIPMENT WAREHOUSE	SF	29,000	38	(1,102)
SUPPLY ADMINISTRATION FACILITY	SF	5,500	68	(374)
SUPPLY & EQUIPMENT SHED	SF	6,400	17	(108)
SUPPORTING FACILITIES				610
UTILITIES	LS			(350)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(60)
COMMUNICATIONS SUPPORT	LS			(40)
DEMOLITION	LS			(40)
SUBTOTAL				2,194
CONTINGENCY (5%)				110
TOTAL CONTRACT COST				2,304
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				127
TOTAL REQUEST				2,431
TOTAL REQUEST (ROUNDED)				2,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Masonry walls, concrete slab and foundations, structural steel frame roof system, wall partitioning, exterior utility connections, electrical and heating, demolition, excavation, site improvement, fencing, roads, walks and parking.

11. REQUIREMENT: 91,600 SF ADEQUATE: 50,700 SF SUBSTANDARD: 13,400 SF

PROJECT: Add to existing base supply warehouse facility, add to supply administration facility and construct equipment storage shed.

REQUIREMENT: Adequate space is required to process general base support supplies, equipment, hazardous materials, aircraft parts, war reserve materials, and base chemical protection equipment in support of the F-15 mission. Covered storage space is also needed to provide security against theft and protection against the elements. Also required is access pavement and parking for delivery vehicles and personnel working in the facilities.

CURRENT SITUATION: The supply facilities are too small and congested to effectively process and store equipment and materials, causing spill-over use of aisles and open outside storage. Lack of loading docks limits the use of mechanized materials-handling equipment. The limited space restricts wartime decontamination agent storage. The limited storage is compounded due to additional stock levels required at overseas locations than in CONUS. There are no other facilities that can be used for warehouse storage or administrative space.

IMPACT IF NOT PROVIDED: The base will continue to store items outside, in congested facilities, and suffer losses from deterioration. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

CAMP NEW AMSTERDAM, THE NETHERLANDS

4. PROJECT TITLE ADD TO BASE SUPPLY COMPLEX	5. PROJECT NUMBER VWLB879012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JAN 30
(b)	Percent Complete as of January 1986	60
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 OCT 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	76
(b)	All Other Design Costs	22
(c)	Total	98
(d)	Contract	76
(e)	In-house	22

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CAMP NEW AMSTERDAM, THE NETHERLANDS	4. PROJECT TITLE ADD TO AND ALTER CHAPEL

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 730-773	7. PROJECT NUMBER VWLB86901700	8. PROJECT COST ($000) 1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER CHAPEL	LS			1,047
CHAPEL CENTER ADDITION	SF	8,100	100	(810)
CHAPEL CENTER ALTERATION	LS			(237)
SUPPORTING FACILITIES				120
UTILITIES	LS			(70)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS			(10)
COMMUNICATIONS SUPPORT	LS			(10)
SUBTOTAL				1,167
CONTINGENCY (5%)				58
TOTAL CONTRACT COST				1,225
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				67
TOTAL REQUEST				1,292
TOTAL REQUEST (ROUNDED)				1,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION Addition to consist of reinforced concrete foundation and floors, structural steel frame and roof system, utilities and pavements. Alteration consists of structural support and utility modifications. Includes parking and other necessary support.

REQUIREMENT: 22,400 SF ADEQUATE: 5403 SUBSTANDARD: 0

PROJECT: Add to and alter existing chapel.

REQUIREMENT: Religious facilities are necessary for the proper discharge of the Air Force responsibility to stimulate religious motivation, protect and advance moral standards of conduct, encourage norms of character development, insure continuity of constructive religious instructions and foster worship and sacramental services. This function is especially important in this environment where the assigned personnel have limited involvement in the civilian community religious program due to language differences.

CURRENT SITUATION: This base has only one 250 seat chapel which is unable to accommodate a full range of religious and social activities. Over ten groups are jointly using the facility on a weekly basis. These activities include choirs, study groups, growth seminars and religious education classes. The absence of religious education space requires meetings to be held in alternate, inadequate space. Some activities have been curtailed or eliminated because of lack of facilities. This reduced scope of the religious programs has an adverse impact on the morale of assigned personnel.

IMPACT IF NOT PROVIDED: The base religious programs will continue to have inadequate support with resulting curtailment of some activities. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION CAMP NEW AMSTERDAM, THE NETHERLANDS		
4. PROJECT TITLE ADD TO AND ALTER CHAPEL		5. PROJECT NUMBER VWLB86901700

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 APR 24
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 OCT 15

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	35
(b) All Other Design Costs	63
(c) Total	98
(d) Contract	55
(e) In-house	43

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
RAF CHICKSANDS, UNITED KINGDOM	UNITED STATES AIR FORCES IN EUROPE	0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	58	1,223	41	0	0	0	0	0	0	1,322
b. END FY 19 91	57	1,240	46	0	0	0	0	0	0	1,343

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (411)	
b. INVENTORY TOTAL AS OF 30 Sept 85	32,864
c. AUTHORIZATION NOT YET IN INVENTORY	5,180
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,500
g. REMAINING DEFICIENCY	6,810
h. GRAND TOTAL	53,304

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831-165	Add to and Alter Water Distribution System	LS	950	Feb 84	Apr 86

9. Future Projects: (a) Included in Following Program (FY 88): None
(b) Typical planed next three years:

442-758	Supply Warehouse	23,000 SF	1,050
724-417	Visiting Officers Quarters	50 PN	1,500
721-415	Unaccompanied Officer Personnel Housing	60 PN	2,200
610-127	Base Civil Engineering Complex	LS	2,750

10. Mission or Major Functions: This USAFE base previous support to an Electronic Security Group Headquarters which provides management, command, control and direction for Electronic Security Command assigned units.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3 INSTALLATION AND LOCATION CLASSIFIED LOCATION	4 COMMAND SPECIAL PROJECT	5 AREA CONSTR COST INDEX

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	
c. AUTHORIZATION NOT YET IN INVENTORY	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f. PLANNED IN NEXT THREE PROGRAM YEARS	
g. REMAINING DEFICIENCY	
h. GRAND TOTAL	

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
400-000	Storage Facilities	LS	11,500	N/A	N/A

9. Future Projects: As required.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION CLASSIFIED LOCATION	4. PROJECT TITLE STORAGE FACILITIES

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 400-000	7. PROJECT NUMBER TYFR875005	8 PROJECT COST ($000) 11,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STORAGE FACILITIES				11,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION

PROVIDES FACILITIES FOR A SPECIAL PROJECT

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION COMISO AIR STATION, ITALY	4. COMMAND UNITED FORCES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.19

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	125	1140	34	0	0	0	0	0	0	1299
b. END FY 19 91	206	1593	49	0	0	0	0	0	0	1848

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (379)	
b. INVENTORY TOTAL AS OF 30 Sept 84	104,033
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,310
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,670
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	110,013

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-000	CW Protection-Wing Command Post	2,600 SF	1,500	Aug 85	Sep 86
141-000	CW Protection-Central Security Control	2,600 SF	1,500	Aug 85	Sep 86
700-000	GLCM-Various Support Facilities	LS	1,310*	Nov 82	Dec 86
	Total Appropriations Request		4,310		
	Total Authorization Request		4,010		
	Carry-over Authorization in FY 86		300*		

9. Future Projects: (a)Included in Following Program (FY 88):

740-000	GLCM - Exchange Facility	4,150 SF	850
740-153	GLCM - Branch Bank	3,250 SF	400
740-397	GLCM - MWR/NAF Central Storage	4,800 SF	420
	Total		1,670

10. Mission or Major Functions: This base hosts a tactical missile group headquarters which is responsible for management, command, control and direction of units assigned to the base including tactical missile squadrons which operate BGM-109 missiles (GLCM).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION COMISO AIR STATION, ITALY	4. PROJECT TITLE CW PROTECTION- WING COMMAND POST

5. PROGRAM ELEMENT 2.75.93	6 CATEGORY CODE 141-000	7. PROJECT NUMBER EFSA87900100	8. PROJECT COST ($000) 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CW PROTECTION-WING COMMAND POST	SF	2,600	470	1,222
SUPPORTING FACILITIES				145
UTILITIES	LS			(65)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(25)
COMMUNICATIONS	LS			(15)
SUBTOTAL				1,367
CONTINGENCY (5%)				70
TOTAL CONTRACT COST				1,437
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				79
TOTAL REQUEST				1,516
TOTAL REQUEST (ROUNDED)				1,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footing, floor slab, walls, with special structural frame and mechanical system; includes chemical, biological, and radiological decontamination cell and associated filtering system. All utilities and necessary support.

11. REQUIREMENT: 5,200 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a chemical warfare cell for a semi-hardened Wing Command Post.

REQUIREMENT: In a European war scenario, the threat of a chemical attack is highly likely. NATO Criteria and Standards for Tactical and Transport Airfields (6th edition), states Nuclear Biological Chemical Measures must be provided nationally. Processing cells will serve as decontamination chambers and will provide an area to decontaminate personnel prior to entering the main facility.

CURRENT SITUATION: NATO provides semi-hardened operations facilities for functions which must be performed on a continual basis during wartime and are critical to sortie generation. The functions performed in these facilities cannot be performed in a chemical protective suit while wearing a gas mask. NATO will construct a semi-hardened operational facility reducing the threat from conventional attack, but NATO criteria excludes by agreement CW protective measures. Existing facilities will not provide adequate personnel protection during a confrontation.

IMPACT IF NOT PROVIDED: Survival of aircrews, avionics maintenance, photo interpretation, and other essential operations personnel will be severely jeopardized in the event of a chemical attack, since the approved NATO operational facility will be without CW protection. This project is not NATO eligible.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION COMISO AIR STATION, ITALY		
4. PROJECT TITLE CW PROTECTION-WING COMMAND POST		5. PROJECT NUMBER EFSA879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 AUG 01
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 27

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	65
(b)	All Other Design Costs	52
(c)	Total	117
(d)	Contract	97
(e)	In-house	20

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION COMISO AIR STATION, ITALY	4. PROJECT TITLE CW PROTECTION- CENTRAL SECURITY CONTROL

5. PROGRAM ELEMENT 2.75.93	6. CATEGORY CODE 141-000	7. PROJECT NUMBER EFSA879002	8. PROJECT COST ($000) 1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CW PROTECTION-CENTRAL SECURITY CONTROL	SF	2,600	470	1,222
SUPPORTING FACILITIES				145
UTILITIES	LS			(75)
SITE IMPROVEMENTS	LS			(40)
COMMUNICATIONS	LS			(15)
PAVEMENTS	LS			(15)
SUBTOTAL				1,367
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,435
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				79
TOTAL REQUEST				1,514
TOTAL REQUEST (ROUNDED)				1,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footing, floor slab, walls, with special structural frame and mechanical system; includes chemical, biological, and radiological decontamination cell and associated filtering system. All utilities and necessary support.

11. REQUIREMENT: 5,200 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a CW cell for a semi-hardened central security control.

REQUIREMENT: In a European war scenario, the threat of a chemical attack is highly likely. NATO Criteria and Standards for Tactical and Transport Airfields (6th edition), states Nuclear Biological Chemical Measures must be provided nationally. Processing cells will serve as decontamination chambers and will provide an area to decontaminate personnel prior to entering the main facility.

CURRENT SITUATION: NATO provides semi-hardened operations facilities for functions which must be performed on a continual basis during wartime and are critical to sortie generation. The functions performed in these facilities cannot be performed in a chemical protective suit while wearing a gas mask. NATO will construct a semi-hardened operational facility reducing the threat from conventional attack, but NATO criteria excludes by agreement CW protective measures. Existing facilities will not provide adequate personnel protection during a confrontation.

IMPACT IF NOT PROVIDED: Survival of aircrews, avionics maintenance, photo interpretation, and other essential operations personnel will be severely jeopardized in the event of a chemical attack, since the approved NATO operational facility will be without CW protection. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION COMISO AIR STATION, ITALY		
4. PROJECT TITLE CW PROTECTION-CENTRAL SECURITY CONTROL		5. PROJECT NUMBER EFSA879002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a)	Date Design Started	85 AUG 15
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 27
(2) Basis		
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a)	Production of Plans and Specifications	65
(b)	All Other Design Costs	52
(c)	Total	117
(d)	Contract	97
(e)	In-house	20
(4) Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION COMISO AIR STATION, ITALY	4 PROJECT TITLE GLCM - VARIOUS SUPPORT FACILITIES

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 100-000	7 PROJECT NUMBER EFSA870001	8 PROJECT COST ($000) 1,310

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-VARIOUS SUPPORT FACILITIES	LS			1,310
AUTOMOTIVE HOBBY SHOP	SF	4,200		(410)
ARTS AND CRAFTS SHOP	SF	3,400		(370)
MILITARY CLOTHING SALES	SF	4,200		(300)*
RECREATION LIBRARY	SF	1,600		(230)
TOTAL REQUEST				1,310

NOTE 1. THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5%) AND SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

NOTE 2. THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON GLCM BEDDOWN AT COMISO. PROJECT REQUIREMENTS FOLLOW ON ATTACHED DD FORMS 1391C.

CARRY-OVER AUTHORIZATION IN FY 86 (300)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Facilities constructed of various materials and methods, dependent on facility utilization; site preparation, including the installation of utilities.

11. REQUIREMENT: As required.

PROJECT: Construct facilities to support the beddown of the Ground Launched Cruise Missile (GLCM) system.

REQUIREMENT: Base operating support facilities are necessary to support the GLCM system and personnel. As the system is deployed to the field it will go to new, existing or reopened bases. In this case, we are beginning a new base. The manpower deploying with the system needs housing and dining facilities, administrative space, warehousing, clinics, storage and other facilities required for base operation.

CURRENT SITUATION: The first phase of the base operating support, which was funded in FY 1983 provided the very basic requirements for the initial beddown. Phase II, included in the FY 84 program, provided an additional increment of operational support facilities. The FY 85 and 86 programs provided basic facilities to support accompanied tours. However, there are few facilities available to support the off-duty social, recreational and educational needs of the personnel deployed with this system. There are virtually no off-base facilities.

IMPACT IF NOT PROVIDED: For this location, it will not be possible to provide the people manning the base with an adequate standard of living. Lack of facilities will adversely effect morale and system readiness. These projects are not NATO eligible.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION COMISO AIR STATION, ITALY		
4. PROJECT TITLE GLCM - VARIOUS SUPPORT FACILITIES		5. PROJECT NUMBER

($000)

GLCM-AUTOMOTIVE HOBBY SHOP SCOPE: 4,200 SF COST: 410
EFSA855012 CATEGORY CODE: 740-665
REQUIREMENT: 4,200 SF ADEQUATE: 0 SUBSTANDARD: 0

Construct a 4,200 SF facility to provide maintenance and repair of privately owned vehicles. In this overseas environment, there is limited off-base capability to fix US-specification automobiles owned by service members. Where it does exist, it is expensive. An on-base auto hobby shop provides an alternative to the service member for keeping privately owned vehicles in good, safe running order. Not providing this facility means that either the service member will have to seek off-base repairs, paying the costs in both money and time, or that the car will not be maintained in safe working condition. The former affects the member's morale, the latter his well-being. Both affect mission performance.

GLCM-ARTS AND CRAFTS SHOP SCOPE: 3,400 SF COST: 370
EFSA855004 CATEGORY CODE: 740-664
REQUIREMENT: 3,400 SF ADEQUATE: 0 SUBSTANDARD: 0

Construct a 3,400 SF facility which serves as the center for arts and crafts and provides military personnel and their dependents the opportunity to engage in activities such as: fine arts (painting, drawing, sculpture, etc.), ceramics, photography, woodworking, jewelry and lapidary, modeling, fabrics, electronics and other handicrafts. Facilities to support these functions currently do not exist. Without this facility, the military member is denied a form of recreation that stimulates thought and creativity.

GLCM-MILITARY CLOTHING SALES SCOPE: 4,200 SF COST: 300
EFSA855015 CATEGORY CODE: 730-717
REQUIREMENT: 4,200 SF ADEQUATE: 0 SUBSTANDARD: 0

Construct a 4,200 SF facility to store, display and sell uniform clothing and accessories. Adequate supplies of clothing are necessary to enable the military member to keep his uniform in a condition that promotes pride and self-confidence. Space for an alteration service is also included in this facility. No such facility now exists. Without this function, the military member will have to obtain such articles by mail at increased cost and time delay. This adversely affects morale and performance.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION COMISO AIR STATION, ITALY		
4. PROJECT TITLE GLCM - VARIOUS SUPPORT FACILITIES		5. PROJECT NUMBER

($000)

GLCM-RECREATION LIBRARY	SCOPE: 1,600 SF COST: 230
EFSA855013	CATEGORY CODE: 740-675
REQUIREMENT: 4,150 SF	ADEQUATE: 2,550 SF SUBSTANDARD: 0

Constuct a 1,600 SF library addition. As part of a well-rounded off-duty program, personnel need functions that entertain, relax and stimulate the military member and dependents. The library is indispensable for keeping personnel abreast of world events and is mandatory for off-duty education programs. The first phase of Comiso's library was constructed as part of the FY 82 community recreation facility. This project will complete the requirement and provide the personnel assigned to Comiso an adequate facility. Without this addition, the space available for reading and studying will continue to be extremely crowded and the quantity and variety of library materials will be limited. With highly technical systems such as GLCM, personnel associated with this system are motivated to seek self-education, job enrichment and self-improvement. This capability would be severely limited without this library addition.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION RAF CROUGHTON, UNITED KINGDOM	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	15	415	19	0	0	0	0	0	18	467
b. END FY 19 91	15	407	23	0	0	0	0	0	18	463

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (694)	
b. INVENTORY TOTAL AS OF 30 Sept 85	15,547
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	630
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	790
f. PLANNED IN NEXT THREE PROGRAM YEARS	12,400
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	29,367

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-111	Telecommunications Facility	2,300 SF	630	Mar 85	Aug 86

9. Future Projects: (a) Included in Following Program (FY 88):

842-245	Add to and Alter Water Distribution System	2,271 LM	790

(b) Typical Planned Next Three Years:

721-312	Alter Unaccompanied Enlisted Personnel Housing	270 PN	3,000
131-132	DSCS/SATCOM Facilities	LS	9,400

10. Mission or Major Functions: This installation is a major communications site which provides telephone support for all Air force units in the United Kingdom.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION DECIMOMANNU AIR BASE, ITALY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 84	10	144	0	0	0		0	0	0	154
b. END FY 1991	10	141	0	0	0		0	0	0	151

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE N/A	
b. INVENTORY TOTAL AS OF 30 Sept 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,800

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
724-417	Visiting Officer Quarters	18 PN	900*	Oct 84	Oct 85
	Total Appropriation Request		900		
	Total Authorization Request		0		
	Carry-over Authorization in FY 86		900*		

9. Future Projects: None

10. Mission or Major Functions: An Italian Air Base used by the US, Germany, UK and Italy for air to air and air to ground training. USAFE flying units train on rotational basis. The host USAFE unit provides support to assigned and TDY personnel.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION EINSIEDLERHOF AIR STATION, GERMANY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	15	79	0	0	0	0	0	0	0	94
b. END FY 19 91	15	76	1	0	0	0	0	0	0	92

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (N/A)	
b. INVENTORY TOTAL AS OF 30 Sept 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	4,150

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
724-417	Visiting Officer Quarters	80 PN	2,600*	May 84	Nov 85
	Total Approopriation Request		2,600		
	Total Authorization Request		0		
	Carry-over Authorization in FY 86		2,600*		

9. Future Projects: Included in Following Program (FY 88):

724-417	Convert/Visiting Officer	50PN	1,550

10. Mission or Major Functions: A support location for the USAFE Band and the USAFE Warrior Preparation Center.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION EINSIEDLERHOF AIR STATION, GERMANY		4. PROJECT TITLE VISITING OFFICER QUARTERS (VOQ)	
5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 724-417	7. PROJECT NUMBER LXPQ866001	8. PROJECT COST ($000) 2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VISITING OFFICER QUARTERS (80 PN)	SF	34,800	64	2,227
SUPPORTING FACILITIES				125
UTILITIES	LS			(100)
PAVEMENT	LS			(20)
SITE IMPROVEMENT	LS			(5)
SUBTOTAL				2,352
CONTINGENCY (5%)				118
TOTAL CONTRACT COST				2,470
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				136
TOTAL REQUEST				2,606
TOTAL REQUEST (ROUNDED)				2,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls, reinforced concrete frame building and roof. Included bedrooms, baths, closets, centralized storage laundry areas, and support space. Grade Mix: 80 01-03.

11. REQUIREMENT: 1,092 PN ADEQUATE: 427 PN SUBSTANDARD: 226 PN

PROJECT: Construct a visiting officer quarters (VOQ).

REQUIREMENT: Adequate on-base living quarters are required to accommodate temporary duty personnel. On-base quarters are needed to insure these officers are provided an environment conducive to proper rest, personal well-being and proper study so they can meet the rigid requirements of the USAFE Warrior Preparation Center (WPC) training program. The WPC program has an average attendance of 100 officers per month.

CURRENT SITUATION: Einsiedlerhof Air Station is the site of the USAFE WPC. The WPC operates year-round to train officers in development of skills required to win a technical and electronically oriented modern war. Einsiedlerhof does not have any officer transient housing and the VOQs at nearby bases are currently undersized for their respective transient populations. Students are housed at other installations on a space available basis or stay in expensive inadequate off-base hotels.

IMPACT IF NOT PROVIDED: Students will not be housed on the Air Station. Organized evening activities will be disrupted and special training sessions, libraries and other after hours study facilities will not be available.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION EINSIEDLERHOF AIR BASE, GERMANY		
4. PROJECT TITLE VISITING OFFICER QUARTERS		5. PROJECT NUMBER LXPQ866001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 MAY 22
	(b) Percent Complete as of January 1986	50
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 NOV 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	91
	(b) All Other Design Costs	82
	(c) Total	173
	(d) Contract	91
	(e) In-house	82
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3 INSTALLATION AND LOCATION RAF FAIRFORD, UNITED KINGDOM	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	78	1,068	34	0	0	0	24	24	0	1,228
b. END FY 19 91	79	1,096	41	0	0	0	24	24	0	1,264

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,176)	
b. INVENTORY TOTAL AS OF 30 Sept 85	17,079
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	34,890
g. REMAINING DEFICIENCY	2,700
h. GRAND TOTAL	70,619

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-154	Organizational Maintenance Support Equipment Complex	LS	2,750	Nov 83	Mar 86
214-425	Add to and Alter Vehicle Maintenance Facility	13,100 SF	1,700	Dec 84	Mar 86
	Total		4,450		

9. Future Projects: Included in Following Program (FY 88):

211-183	T-9 Noise Suppressor Supp	LS	790
411-135	Jet Fuel Storage	31,500 BL	5,000
442-765	Troop Issue Warehouse	13,500 SF	720
721-312	Unaccompanied Enlisted Personnel Housing	204 PN	3,300
740-674	Add to and Alter Base Gymnasium	25,800 SF	1,690
	Total		11,500

10. Mission or Major Function: The host unit, an Air Base Group (USAFE), provides support to a strategic group which provides management, command, control and direction for air refueling units operating KC-135 type aircraft in support of tactical forces.

11. Outstanding pollution and safety (OSH) deficiencies:

(a)	Air pollution:	0
(b)	Water pollution:	500
(c)	Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF FAIRFORD, UNITED KINGDOM	4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE AND SUPPORT EQUIPMENT COMPLEX

5 PROGRAM ELEMENT 1.18.96	6 CATEGORY CODE 211-154	7 PROJECT NUMBER GKVB866003	8 PROJECT COST ($000) 2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ORGANIZATIONAL MAINTENANCE AND SUPPORT EQUIPMENT COMPLEX	LS			1,997
ORGANIZATIONAL MAINTENANCE SHOP	SF	14,200	74	(1,050)
SUPPORT EQUIPMENT SHOP	SF	12,800	74	(947)
SUPPORTING FACILITIES				535
COMMUNICATIONS	LS			(40)
UTILITIES	LS			(220)
PAVEMENTS	LS			(155)
SITE IMPROVEMENTS	LS			(120)
SUBTOTAL				2,532
CONTINGENCY (5%)				127
TOTAL CONTRACT COST				2,659
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				66
TOTAL REQUEST				2,725
TOTAL REQUEST (ROUNDED)				2,750

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of a concrete foundation and floor slabs, masonry and steel walls, steel roof support and roof deck. Includes areas for maintenance and storage of tool kits, bench stocks, administration, washrack, battery storage and utilities.

11. REQUIREMENT: 27,000 SF ADEQUATE: 0 SUBSTANDARD: 13,030 SF

PROJECT: Construct a composite facility to house organizational maintenance and support equipment shops and storage activities.

REQUIREMENT: Adequate space, properly sized, configured and located, is required to accommodate organizational maintenance shop (OMS), support equipment (SE) shop and storage functions in support of the KC-135 tanker aircraft assigned to this base.

CURRENT SITUATION: Currently, these activities occupy several small buildings scattered throughout the base. These facilities are over 30 years old and were originally munitions storage areas, quonset huts and hangars. Their existing condition does not support expansion or additions nor can they be upgraded. They have inadequate heating and electrical systems, leaky roofs and crumbling walls. SE is parked or stored in various locations which makes it difficult to control and dispatch the equipment which results in wasted manhours and fuel. Inadequate ventilation in these facilities results in most of the operation and maintenance of the SE being performed outside due to fuel vapor and exhaust buildup. Outside maintenance cannot be accomplished on a permanent basis due to the climatic conditions at Fairford.

IMPACT IF NOT PROVIDED: OMS/SE functions will continue to occupy and operate out of many scattered and substandard facilities which results in inefficient and ineffective support for the KC-135 tanker mission.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF FAIRFORD, UNITED KINGDOM		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE AND SUPPORT EQUIPMENT COMPLEX		5. PROJECT NUMBER GKVB866003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	83 NOV 30
	(b) Percent Complete as of January 1986	75
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAR 31
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	141
	(b) All Other Design Costs	0
	(c) Total	141
	(d) Contract	141
	(e) In-house	0
(4)	Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAF FAIRFORD, UNITED KINGDOM	4. PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE FACILITY

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 214-425	7. PROJECT NUMBER GKVB899004	8. PROJECT COST ($000) 1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER VEHICLE MAINTENANCE FACILITY	SF	13,100	77	1,008
SUPPORTING FACILITIES				575
PAVEMENTS	LS			(285)
UTILITIES	LS			(265)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS SUPPORT	LS			(10)
SUBTOTAL				1,583
CONTINGENCY (5%)				79
TOTAL CONTRACT COST				1,662
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				42
TOTAL REQUEST				1,704
TOTAL REQUEST (ROUNDED)				1,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls, structural steel framing and roof system. Provide areas for general repair, battery shop, maintenance, welding, machining, glazing, upholstering, inspection, parts cleaning, washing, tire repair, tool and parts storage, locker room, break room, toilets, and administration. Includes fire protection, utilities, security fencing, and vehicle parking.

11. REQUIREMENT: 26,805 SF ADEQUATE: 0 SUBSTANDARD: 13,665 SF

PROJECT: Add to and alter vehicle maintenance facility.

REQUIREMENT: Adequate space is required to maintain all assigned vehicles in a timely manner. This facility is required for lubrication, inspection, general repair, replacement of major assemblies, testing, cleaning, and tire maintenance.

CURRENT SITUATION: The present facilities have been in operation for 30 years and are rapidly becoming too small to accommodate the number of assigned vehicles which have recently doubled due to the Wing's expanding mission. The electrical system in the facility is the original 1954 system and was not designed for current mission power demands. It is no longer economically feasible to replace or repair outdated system components which present severe safety and fire hazards.

IMPACT IF NOT PROVIDED: Vehicle maintenance facilities will continue to be overcrowded and inadequate which degrades the ability to support the base mission. Vehicle out-of-commission rates will be above Air Force standards. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF FAIRFORD, UNITED KINGDOM		
4. PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE FACILITY		5. PROJECT NUMBER GKVB899004

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	84 DEC 12
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 31
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	89
(b) All Other Design Costs	0
(c) Total	89
(d) Contract	89
(e) In-house	0
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION FLORENNES, BELGIUM	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.13

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	94	864	27	0	0	0	0	0	0	985
b. END FY 19 91	161	2,473	222	0	0	0	0	0	0	2,856

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE N/A	
b. INVENTORY TOTAL AS OF 30 Sept 85	39,350
c. AUTHORIZATION NOT YET IN INVENTORY	2,920
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,280
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,770
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	55,320

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
700-000	GLCM-Various Support Facilities	LS	9,280*	Feb 83	Nov 86
	Total Appropriation Request		9,280		
	Total Authorization Request		8,820		
	Carry-over Authorization in FY 86		460*		

9. Future Projects: (a) Included in Following Program (FY 88):

141-000	CW Protection-Central Security Control	2,600 SF	1,060
141-000	CW Protection-Wing Command Post	2,600 SF	1,060
740-674	Temporary Living Facility	19,000 SF	1,650
	Total		3,770

10. Mission or Major Functions: This base will host a tactical missile group headquarters which will be responsible for management, command, control and direction of units assigned to the base including tactical missile squadrons which operate BGM-109 missiles.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION FLORENNES AIR BASE, BELGIUM	4. PROJECT TITLE GLCM-VARIOUS SUPPORT FACILITIES

5. PROGRAM ELEMENT 2.73.14	6. CATEGORY CODE 100-000	7. PROJECT NUMBER GUBR870001	8. PROJECT COST ($000) 9,280

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-VARIOUS SUPPORT FACILITIES	LS			9,280
COMMISSARY	SF	39,300		(3,500)
EXCHANGE COMPLEX	SF	38,920		(2,850)
DATA PROCESSING FACILITY	SF	7,400		(1,200)
YOUTH CENTER	SF	5,000		(750)
AUTOMOTIVE HOBBY SHOP	SF	4,400		(520)
RECREATION LIBRARY	SF	4,750		(460)*
TOTAL REQUEST				9,280

NOTE 1. THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5%) AND SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

NOTE 2. THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF GLCM FACILITIES AT THIS LOCATION. INDIVIDUAL PROJECT JUSTIFICATION IS SHOWN ON ATTACHED DD FORMS 1391C.

CARRY-OVER AUTHORIZATION IN FY 86 (460)

10. DESCRIPTION OF PROPOSED CONSTRUCTION New facilities constructed of various materials and methods, both conventional and pre-engineered to construct various base operating support facilities supporting deployment of GLCM.

11. REQUIREMENT: As required.

PROJECT: Construct facilities to support the beddown of the Ground Launched Cruise Missile (GLCM).

REQUIREMENT: Provide facilities to support the USAF personnel assigned to the GLCM system. As the system is deployed to the field, it will go to new, existing or reopened bases. In this case, we are beginning a new base. The manpower deploying with the system will need facilities which support the needs of the personnel and their community.

CURRENT SITUATION: The first phase of the base operating support, which was funded in FY 1983, provided the very basic requirments for the initial beddown. Phase II, included in the FY 84 program, provided an additional increment of operational support facilities. The FY 86 program provided basic accompanied tour facilities. However, there are few facilities available to support the off-duty social, recreational and educational needs of the personnel deployed with this system. There are virtually no off-base facilities to support assigned personnel.

IMPACT IF NOT PROVIDED: For this location, it will not be possible to provide the people manning the base with an adequate standard of living. Lack of facilities will adversely effect morale and system readiness. These projects are not NATO eligible.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION FLORENNES AIR BASE, BELGIUM	4 PROJECT TITLE GLCM - COMMISSARY

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 740-266	7 PROJECT NUMBER GUBR8690001	8 PROJECT COST ($000) 3,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-COMMISSARY	SF	39,300	68	2,672
SUPPORTING FACILITIES				480
PAVEMENTS	LS			(155)
SITE IMPROVEMENTS	LS			(150)
COMMUNICATIONS	LS			(130)
UTILITIES	LS			(45)
SUBTOTAL				3,152
CONTINGENCY (5%)				158
TOTAL CONTRACT COST				3,310
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				182
TOTAL REQUEST				3,492
TOTAL REQUEST (ROUNDED)				3,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION All work necessary to construct a permanent, single-story, modern commissary store consisting of concrete floor slab, concrete foundations, exterior masonry walls. Interior structural steel columns, supporting steel roof joists, insulation, and built-up roof.

11. REQUIREMENT: 39,300 SF ADEQUATE: 0 SUBSTANDARD:

PROJECT: Construct a new commissary.

REQUIREMENT: A properly sized and configured facility is required to house all commissary functions. Necessary functions include retail sales area, checkout area, meat and produce storage and preparation, dairy storage, frozen food storage, non-perishable palletized storage, administrative areas locker rooms, restrooms, site development, patron and employee parking and access, service areas, utilities, and landscaping.

CURRENT SITUATION: Commissary facilities are not available to support this new GLCM base.

IMPACT IF NOT PROVIDED: Failure to provide adequate commissary facilities will have a significant negative impact on assigned military personnel. Without such facilities, the Air Force will be unable to provide an acceptable supply of food to assigned military personnel and their families. This project is not NATO eligible.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FLORENNES AIR BASE, BELGIUM		
4. PROJECT TITLE GLCM-COMMISSARY		5. PROJECT NUMBER GUBR8690001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	83 NOV 01
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 01

(2) Basis
  (a) Standard or Definitive Design - Yes X No
  (b) Where Design Was Most Recently Used - RAMSTEIN

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	260
(b)	All Other Design Costs	162
(c)	Total	422
(d)	Contract	260
(e)	In-house	162

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION FLORENNES AIR BASE, BELGIUM	4 PROJECT TITLE GLCM - EXCHANGE COMPLEX

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 740-388	7 PROJECT NUMBER GUBR869093	8 PROJECT COST ($000) 2,850

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-EXCHANGE COMPLEX	LS			2,198
MAIN EXCHANGE COMPLEX	SF	27,100	40	(1,084)
CAFETERIA/SERVICE OUTLETS	SF	9,600	100	(960)
SERVICE STATION	SF	2,220	70	(154)
SUPPORTING FACILITIES				390
UTILITIES	LS			(165)
PAVEMENTS	LS			(95)
SITE IMPROVEMENTS	LS			(65)
COMMUNICATIONS	LS			(65)
SUBTOTAL				2,588
CONTINGENCY (5%)				129
TOTAL CONTRACT COST				2,717
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				149
TOTAL REQUEST				2,866
TOTAL REQUEST (ROUNDED)				2,850

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundations, and masonry walls. Functional areas included in main exchange complex are: sales store, warehouse, foodland, and maintenance shop. Functional areas included in service outlets/cafeteria are: service outlets, cafeteria and amusement center.

11. REQUIREMENT: 38,920 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct facilities to house base exchange functions.

REQUIREMENT: Exchange facilities that provide services that US personnel are accustomed to, that are stocked with US manufactured goods, and staffed by English speaking personnel, are essential to satisfying the day-to-day purchasing/service requirements of the service member and his/her family.

CURRENT SITUATION: Facilities to support these functions currently do not exist.

IMPACT IF NOT PROVIDED: Without these facilities, assigned personnel will be forced to seek basic services and items, normally available via the exchange, on the economy. Personnel will be forced to use mail-order services for those US-items not available on the economy. The time delay of the mail-order method and the confusion and unfamiliarity with foreign country goods (in particular, clothing sizes) create an added difficulty for the service member and affect morale. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

FLORENNES AIR BASE, BELGIUM

4. PROJECT TITLE GLCM-EXCHANGE COMPLEX	5. PROJECT NUMBER GUBR869093

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 FEB 01
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 01
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	88
(b) All Other Design Costs	58
(c) Total	146
(d) Contract	88
(e) In-house	58
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION FLORENNES AIR BASE, BELGIUM		4 PROJECT TITLE GLCM - DATA PROCESSING FACILITY	
5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 610-711	7 PROJECT NUMBER GUBR870002	8 PROJECT COST ($000) 1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-DATA PROCESSING FACILITY	SF	7,400	110	814
SUPPORTING FACILITIES				260
UTILITIES	LS			(140)
PAVEMENTS	LS			(50)
COMMUNICATIONS	LS			(45)
SITE IMPROVEMENTS	LS			(25)
SUBTOTAL				1,074
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,128
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				62
TOTAL REQUEST				1,190
TOTAL REQUEST (ROUNDED)				1,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation and masonry walls.

11. REQUIREMENT: 7,400 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a complete data automation facility to house a Phase IV computer system, peripheral equipment, administrative area, storage area and field engineer maintenance work area.

REQUIREMENT: Effective management and support of the GLCM mission requires reliable data products to include: supply ordering, inventory and receiving; accounting for expenditures and obligations for all appropriated funds; management of vehicle operations and maintenance; and maintenance of personnel records. To provide this support, a Phase IV computer is programmed for Florennes Air Base.

CURRENT SITUATION: Facilities to support this function do not exist.

IMPACT IF NOT PROVIDED: Without a dedicated Phase IV computer, Florennes will be forced to rely on computer support from Bitburg Air Base via a remote job entry terminal system (RJETS). A recent survey determined that sufficient dedicated communications lines do not exist between Bitburg and Florennes. The cost of leasing additional communications lines to support an RJETS "satellite" operation has been estimated to be $850,000 per year; therefore, in the long run, installation of a Phase IV computer at Florennes is more cost effective. Additionally, support of the missions at both bases will be degraded if Florennes is required to operate as a satellite of Bitburg. This project is not eligible for NATO funding.

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1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FLORENNES AIR BASE, BELGIUM		
4. PROJECT TITLE GLCM-DATA PROCESSING FACILITY		5. PROJECT NUMBER GUBR870002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUL 17
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	75
(d)	Date Design Complete	86 DEC 14

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	40
(b)	All Other Design Costs	33
(c)	Total	73
(d)	Contract	40
(e)	In-house	33

(4) Construction start 87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FLORENNES AIR BASE, BELGIUM		
4. PROJECT TITLE GLCM-VARIOUS SUPPORT FACILITIES		5. PROJECT NUMBER

($000)

GLCM-YOUTH CENTER	SCOPE: 5,000 SF	COST: 750
GUBR870001	CATEGORY CODE: 740-833	
REQUIREMENT: 5,000 SF	ADEQUATE: 0	SUBSTANDARD: 0

Construct a 5,000 SF youth center. The youth center is required to accommodate the indoor social activities of children of assigned US military and DOD civilians. The facility provides space for dancing, minor food and beverage service, games, music appreciation, meetings and other related youth activities. At present, no facility exists to support these activities. Without this facility, the recreational pursuits of children of assigned personnel will be very limited. There are no local facilities available at this rural location.

GLCM-AUTOMOTIVE HOBBY SHOP	SCOPE: 4,400 SF	COST: 520
GUBR869094	CATEGORY CODE: 740-665	
REQUIREMENT: 4,400 SF	ADEQUATE: 0	SUBSTANDARD: 0

Construct a 4,400 SF facility to provide maintenance and repair of privately owned vehicles. In an overseas environment, there is limited off-base capability to fix US-specification automobiles owned by service members. Where it does exist, it is expensive. An on-base auto hobby shop provides an alternative to the service member for keeping privately owned vehicles in good, safe running order. Not providing this facility means that either the service member will have to seek off-base repairs, paying the costs in both money and time or the car will not be maintained in safe working condition. The former affects the member's morale, the latter his well-being. Both affect mission performance.

GLCM-RECREATION LIBRARY	SCOPE: 4,750 SF	COST: 460
GUBR855100	CATEGORY CODE: 740-675	
REQUIREMENT: 4,750 SF	ADEQUATE: 0	SUBSTANDARD: 0

Construct a 4,750 SF library. As part of a well-rounded off-duty program, personnel need functions that entertain, relax and stimulate the military members and dependents. The library is indispensable for keeping personnel abreast of world events and is mandatory for off-duty education programs. Florennes has no such facility and without it, personnel stationed there will have no place to check-out books, read and study toward self-improvement. With highly technical systems such as GLCM, personnel associated with the system are motivated to seek self-education, job enrichment and self-improvement. That capability would be severely limited without this library.

1 COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2 DATE

3 INSTALLATION AND LOCATION
RAF GREENHAM COMMON,
UNITED KINGDOM

4 COMMAND
UNITED STATES AIR
FORCES IN EUROPE

5 AREA CONSTR COST INDEX
0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	182	1,550	51	0	0	0	0	2	3	1,788
b. END FY 19 91	181	1,538	52	0	0	0	0	2	3	1,776

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,138)	
b INVENTORY TOTAL AS OF 30 Sept 85	40,269
c AUTHORIZATION NOT YET IN INVENTORY	1,400
d AUTHORIZATION REQUESTED IN THIS PROGRAM	2,100
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,700
f PLANNED IN NEXT THREE PROGRAM YEARS	19,950
g REMAINING DEFICIENCY	6,280
h GRAND TOTAL	73,699

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740-443	GLCM-Temporary Living Facility	18,000 SF	2,100	Feb 84	Aug 86

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Personnel Housing	270 PN	3,700

(b) Typical Planned Next Three Years:

111-111	Alternate Launch and Recovery Surface	89,400 SY	3,300
130-142	Fire Station	15,300 SF	1,850
442-758	Equipment Storage Warehouse	14,000 SF	800
812-000	Security Lighting	LS	600

10. Mission or Major Functions: This base hosts a tactical missile wing headquarters which is responsible for management, command, control and direction of units assigned to the base including a tactical missile squadron which operates BGM-109 missiles (GLCM). This base is a wartime standby base.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF GREENHAM COMMON, UNITED KINGDOM	4 PROJECT TITLE GLCM-TEMPORARY LIVING FACILITY

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 740-443	7 PROJECT NUMBER JNDL855014	8 PROJECT COST ($000) 2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-TEMPORARY LIVING FACILITY	SF	18,000	68	1,224
SUPPORTING FACILITIES				710
UTILITIES	LS			(315)
PAVEMENTS	LS			(210)
SITE IMPROVEMENTS	LS			(175)
COMMUNICATIONS	LS			(10)
SUBTOTAL				1,934
CONTINGENCY (5%)				97
TOTAL CONTRACT COST				2,031
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				51
TOTAL REQUEST				2,082
TOTAL REQUEST (ROUNDED)				2,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slabs, frame structure, masonry walls and built-up roof system. Functional areas include lodging units, central laundry facilities, lounge and storage.

11. REQUIREMENT: 24 UNITS ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a 24-unit transient lodging facility.

REQUIREMENT: A 24-unit transient lodging facility to provide lodging support for inbound PCS personnel awaiting quarters and outbound personnel who have terminated quarters.

CURRENT SITUATION: Facilities to support this requirement currently do not exist.

IMPACT IF NOT PROVIDED: Arriving and departing personnel are forced to live in inadequate and isolated off-base quarters and are faced with extremely difficult transportation problems. Without adequate lodging for incoming personnel, timely inprocessing and rapid integration into the assigned organization will not be possible. Transportation problems, the lack of sufficient adequate off-base quarters and cultural barriers create unavoidable negative first impressions. Resulting morale problems could have a serious negative impact on the mission. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF GREENHAM COMMON, UNITED KINGDOM		
4. PROJECT TITLE GLCM-TEMPORARY LIVING FACILITY		5. PROJECT NUMBER JNDL855014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 FEB 15
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 31

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	119
(b) All Other Design Costs	0
(c) Total	119
(d) Contract	119
(e) In-house	0

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.07

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	352	4,191	788	0	0	0	17	351	0	~~4,786~~ 5699
b. END FY 1991	388	5,207	900	0	0	0	17	351	0	6,863

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,462)	
b INVENTORY TOTAL AS OF 30 Sept 85	63,283
c AUTHORIZATION NOT YET IN INVENTORY	8,160
d AUTHORIZATION REQUESTED IN THIS PROGRAM	15,720
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,149
f PLANNED IN NEXT THREE PROGRAM YEARS	44,100
g REMAINING DEFICIENCY	22,150
h GRAND TOTAL	173,562

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111-111	Alternate Launch and Recovery Surface		LS	2,100	Jun 85	Nov 86
130-142	Add to and Alter Fire Station		LS	1,100	Feb 84	Jul 85
130-835	Security Police Operations Facility	8,800	SF	1,100	Jan 85	Jun 86
214-425	Add to Vehicle Maintenance Facility	18,000	SF	1,900	Feb 85	Aug 86
442-000	RRR Equipment Storage Building	17,000	SF	840	Mar 85	Dec 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	240	PN	2,300	May 85	Sep 86
721-312	Unaccompanied Enlisted Personnel Housing	288	PN	4,000	Jan 85	Jul 86
721-312	Unaccompanied Enlisted Personnel Housing	96	PN	1,400	Sep 83	Sep 86
730-443	Post Office	11,800	SF	980	Jun 84	Jul 85
	Total			15,720		

9. Future Projects: Included in Following Program (FY 88):

121-111	Petroleum Operations Facility	3,300	SF	500
422-000	Weapons Storage Vaults	36	EA	7,239
442-758	Passive Defense Equipment Storage Warehouse	14,000	SF	840
600-000	Munitions Squadron Administration	6,250	SF	470
721-312	Alter Unaccompanied Enlisted Personnel Housing	282	PN	4,100
721-312	Unaccompanied Enlisted Personnel Housing	432	PN	6,500
812-000	Security Lighting		LS	500
	Total			20,149

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

10. Mission or Major Functions: This base hosts a Tactical Fighter Wing which is responsible for management, command, control and direction for three tactical fighter squadrons operating F-16 aircraft supporting contingency and war plans. Also supports units in surrounding area.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4. PROJECT TITLE ALTERNATE LAUNCH AND RECOVERY SURFACE (ALRS)

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 111-111	7. PROJECT NUMBER JWEC879002	8. PROJECT COST ($000) 2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTERNATE LAUNCH AND RECOVERY SURFACE (ALRS)	LS			1,259
EXTEND & WIDEN RUNWAY	SY	31,800	36	(1,144)
RESURFACE RUNWAY	SY	28,900	4	(115)
SUPPORTING FACILITIES				645
UTILITIES	LS			(400)
SITE IMPROVEMENTS	LS			(245)
SUBTOTAL				1,904
CONTINGENCY (5%)				95
TOTAL CONTRACT COST				1,999
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				110
TOTAL REQUEST				2,109
TOTAL REQUEST (ROUNDED)				2,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION Extend and widen existing runway, taxiway, and overruns to meet the minimum essential criteria for an alternate launch and recovery surface. Resurface existing pavement. Includes all utilities and necessary support.

11. REQUIREMENT: 180,300 SY ADEQUATE: 119,600 SY SUBSTANDARD: 28,900 SY

PROJECT: Provide an Alternate Launch and Recovery Surface (ALRS).

REQUIREMENT: Project required to provide redundancy for aircraft launch and recovery operations in a post attack environment. Additional strip significantly improves the probability of immediate sortie generation/recovery following an airfield attack.

CURRENT SITUATION: Hahn AB does not have a functional alternate launch and recovery surface. The existing runway and taxiway could be cut by a single attack and the existing contingency surface cannot safely handle modern high performance jets. The 1984 Rand Study on viability of NATO tactical air power validated the need for an ALRS for immediate sortie generation after attack. This study estimates that against a surprise attack, ALRS will improve our ability to generate sorties by approximately 75 percent. Repeated bombing could keep the base closed almost indefinitely unless redundant operating strips are provided.

IMPACT IF NOT PROVIDED: High probability that launch and recovery capabilities will be severely reduced following airfield attack will continue to exist. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY		
4. PROJECT TITLE ALTERNATE LAUNCH AND RECOVERY SURFACE (ALRS)		5. PROJECT NUMBER JWEC879002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 01
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	95
	(d) Date Design Complete	86 NOV 06
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - HAHN	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	55
	(b) All Other Design Costs	44
	(c) Total	99
	(d) Contract	55
	(e) In-house	44
(4)	Construction start	87 MAY

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4. PROJECT TITLE ADD TO AND ALTER FIRE STATION

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 130-142	7. PROJECT NUMBER JWEC86900800	8. PROJECT COST ($000) 1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER FIRE STATION	LS			795
FIRE STATION ADDITION	SF	8,900	67	(596)
FIRE STATION ALTERATION	SF	3,700	54	(199)
SUPPORTING FACILITIES				175
UTILITIES	LS			(110)
COMMUNICATIONS SUPPORT	LS			(30)
PAVEMENTS	LS			(25)
SITE IMPROVEMENTS	LS			(10)
SUBTOTAL				970
CONTINGENCY (5%)				49
TOTAL CONTRACT COST				1,019
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				56
TOTAL REQUEST				1,075
TOTAL REQUEST (ROUNDED)				1,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION Alter the existing facility to provide administrative offices, day room, dining, training, recreation, and bunk room. Added area will provide additional stalls, parking, agent storage, bench stock, and technical area. Includes modification to existing alarm room, living/working areas, utilities, and necessary support.

11. REQUIREMENT: 19,800 SF ADEQUATE: 7,300 SF SUBSTANDARD: 5,900 SF

PROJECT: Add to and alter fire station.

REQUIREMENT: An adequate facility is required to house fire protection vehicles, personnel, and equipment. Stall space is needed for fifteen authorized major and support vehicles. The facility must also accommodate technical services activites and adequate recreation, break, training and sleeping areas to maintain high morale and dedication of personnel on duty for extended periods of time.

CURRENT SITUATION: The existing fire station is located in a joint use facility with control tower and base operations functions. Only eleven stalls are presently available for the assigned fifteen major and support vehicles. Consequently, vehicles used for fire prevention/extinguisher maintenance and emergency response must be parked outside, even during inclement weather. Existing sleeping quarters are too small and congested to provide a sleeping area or shower facilities for female fire fighters. The training room is too small to accommodate trainees and neither recreation nor physical fitness rooms are available to promote the physical and emotional well-being of fire fighting personnel.

IMPACT IF NOT PROVIDED: Denying these improvements is detrimental to the morale, skills, and devotion of fire fighting personnel tasked with a critical mission. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY		
4. PROJECT TITLE ADD TO AND ALTER FIRE STATION		5. PROJECT NUMBER JWEC86900800

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	84 FEB 28
(b)	Percent Complete as of January 1986	100
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	85 JUL 08

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	35
(b)	All Other Design Costs	30
(c)	Total	65
(d)	Contract	35
(e)	In-house	30

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4. PROJECT TITLE SECURITY POLICE OPERATIONS FACILITY

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 130-835	7. PROJECT NUMBER JWEC866010	8. PROJECT COST ($000) 1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY POLICE OPERATIONS FACILITY	SF	8,800	91	800
SUPPORTING FACILITIES				195
PAVEMENTS	LS			(85)
UTILITIES	LS			(60)
COMMUNICATIONS	LS			(30)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				995
CONTINGENCY (5%)				50
TOTAL CONTRACT COST				1,045
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				57
TOTAL REQUEST				1,102
TOTAL REQUEST (ROUNDED)				1,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame and foundation, masonry walls, floor slab, roof deck and relocatable interior partitions. Includes all paving, utilities, and other necessary support.

11. REQUIREMENT: 9,000 SF ADEQUATE: 200 SF SUBSTANDARD: 16,848 SF

PROJECT: Construct security police operations facility.

REQUIREMENT: A facility to accommodate security police control elements, law enforcement and resource protection functions. Includes office space for the Chief of Security Police, operations officer, operations NCO and operations administration area.

CURRENT SITUATION: Security police operations are currently dispersed in six widely separated facilities making command and control extremely difficult while degrading productivity. The weapons armory and vehicle control functions operate from a dormitory. The confinement facility can accommodate just one person at a time and is one half mile from the operations facility and armory. Separation of functions creates inefficiency and hampers management and control of the security police function. Existing space will be converted back to dormitory space or base administrative space as appropriate.

IMPACT IF NOT PROVIDED: Needed dormitory space will continue to be utilized by security police operations. Inadequate protection of resources, inefficient law enforcement, and command and control problems will continue to persist. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY		
4. PROJECT TITLE SECURITY POLICE OPERATIONS FACILITY		5. PROJECT NUMBER JWEC866010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 20
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 24

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	32
(b) All Other Design Costs	29
(c) Total	61
(d) Contract	32
(e) In-house	29

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4. PROJECT TITLE ADD TO VEHICLE MAINTENANCE FACILITY

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 214-425	7. PROJECT NUMBER JWEC889006	8. PROJECT COST ($000) 1,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO VEHICLE MAINTENANCE FACILITY	SF	18,000	74	1,332
SUPPORTING FACILITIES				395
UTILITIES	LS			(200)
SITE IMPROVEMENTS	LS			(165)
COMMUNICATIONS	LS			(30)
SUBTOTAL				1,727
CONTINGENCY (5%)				86
TOTAL CONTRACT COST				1,813
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				100
TOTAL REQUEST				1,913
TOTAL REQUEST (ROUNDED)				1,900

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete floor slab and foundation, masonry walls, structural steel frame, roof system to match existing, utilities and other necessary support. Area includes maintenance bay, repair shop, office, locker room, supply and toilets.

11. REQUIREMENT: 58,600 SF ADEQUATE: 40,600 SF SUBSTANDARD: 0 SF

PROJECT: Construct addition to vehicle maintenance facility.

REQUIREMENT: An additional facility of adequate size to maintain and service all assigned vehicles. Covered service facilities must be provided for lubrication, inspection, general repair, testing and cleaning so that the equipment remains operational for mission support.

CURRENT SITUATION: The existing vehicle maintenance facilities are too small to provide vehicle maintenance which has grown to over 2,000 vehicle equivalents with the F-16 beddown. The shortage of space has caused vehicles to be repaired outdoors creating both a safety hazard and an unsatisfactory vehicle turnaround rate. Mechanics performing repair and maintenance tasks outdoors are confronted with safety hazards due to inclement weather and heavy vehicle traffic through the open area.

IMPACT IF NOT PROVIDED: Vehicle-out-of-commission rates will be above the Air Force standard and maintenance work will continue to be performed outside. During inclement weather, repairs and maintenance will be restricted to those vehicles that can be worked on inside the shop. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION BAHN AIR BASE, GERMANY		
4. PROJECT TITLE ADD TO VEHICLE MAINTENANCE FACILITY		5. PROJECT NUMBER JWEC889006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 FEB 20
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 28

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	72
(b)	All Other Design Costs	42
(c)	Total	114
(d)	Contract	72
(e)	In-house	42

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BAHN AIR BASE, GERMANY	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7. PROJECT NUMBER JWEC879001	8. PROJECT COST ($000) 2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (240 PN)	SF	42,000	49	1,890
SUPPORTING FACILITIES				105
UTILITIES	LS			(50)
SITE IMPROVEMENTS	LS			(50)
COMMUNICATIONS SUPPORT	LS			(5)
SUBTOTAL				1,995
CONTINGENCY (10%)				200
TOTAL CONTRACT COST				2,195
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				121
TOTAL REQUEST				2,316
TOTAL REQUEST (ROUNDED)				2,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical modifications including conversion of central hallways into semiprivate bathrooms and central latrines to bedrooms, and construction of balconies. Increased noise attenuation and energy conservation features. GRADE MIX: 240 E1-E4

11. REQUIREMENT: 2,942 PN ADEQUATE: 675 PN SUBSTANDARD: 800 PN

PROJECT: Alter two unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1953. They have inadequate lighting, poor insulation and sound attenuation, inadequate electrical and mechanical systems and central latrines. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for tha base.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER JWEC879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 31
	(b) Percent Complete as of January 1986	45
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 11
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	134
	(b) All Other Design Costs	52
	(c) Total	186
	(d) Contract	134
	(e) In-house	52
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER JWBC879012	8. PROJECT COST ($000) 4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (288 PN)	SF	54,500	57	3,106
SUPPORTING FACILITIES				525
UTILITIES	LS			(225)
SITE IMPROVEMENTS	LS			(90)
PAVEMENTS	LS			(75)
COMMUNICATIONS SUPPORT	LS			(75)
DEMOLITION	LS			(60)
SUBTOTAL				3,631
CONTINGENCY (5%)				182
TOTAL CONTRACT COST				3,813
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				210
TOTAL REQUEST				4,023
TOTAL REQUEST (ROUNDED)				4,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and foundation, masonary walls, fire protection, utilities, and necessary support. Includes room-bath-room configuration, closets, lounges, centralized storage, laundry and support space. GRADE MIX: 288 E1-E4

11. REQUIREMENT: 2,942 PN ADEQUATE: 99 PN SUBSTANDARD: 1,168 PN

PROJECT: Construct two unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited and expensive local rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER JWEC879012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JAN 30
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 11
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	135
	(b) All Other Design Costs	102
	(c) Total	237
	(d) Contract	135
	(e) In-house	102
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.88	6 CATEGORY CODE 721-312	7. PROJECT NUMBER JWBC855005	8 PROJECT COST ($000) 1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (96 PN)	SF	18,200	57	1,037
SUPPORTING FACILITIES				205
UTILITIES	LS			(85)
PAVEMENTS	LS			(60)
SITE IMPROVEMENTS	LS			(40)
COMMUNICATIONS	LS			(20)
SUBTOTAL				1,242
CONTINGENCY (5%)				62
TOTAL CONTRACT COST				1,304
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				72
TOTAL REQUEST				1,376
TOTAL REQUEST (ROUNDED)				1,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building concrete floors and roof, concrete foundation, masonary walls, fire protection, utilities, and necessary support. Includes room-bath-room configuration, closets, lounges, centralized storage, laundry and support space. Grade mix: 96 E1-E4.

11. REQUIREMENT: 2,942 PN ADEQUATE: 99 PN SUBSTANDARD: 1,168 PN

PROJECT: Construct an unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on-base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited and expensive local rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity and career satisfaction. This project in not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HAHN AIR BASE, GERMANY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER JWEC855005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 SEP 30
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 12
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	50
(b) All Other Design Costs	39
(c) Total	89
(d) Contract	50
(e) In-house	39
(4) Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2. DATE
3 INSTALLATION AND LOCATION HESSISCH OLDENDORF AIR STATION, GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.07

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	53	536	0	0	0	0	0	0	0	589
b. END FY 1991	51	623	0	0	0	0	0	0	0	674

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (35)	
b. INVENTORY TOTAL AS OF 30 Sept 85	2,005
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	750
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	280
h. GRAND TOTAL	5,035

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740-316	Add to and Alter Composite Recreation Center	LS	2,000	Jan 84	Apr 86

9. Future Projects: (a) Included in Following Program (FY 88):

130-835	Security Police Operations Facility	5,520 SF	750

(b) Typical Planned Next Three Years: None

10. **Mission or Major Functions:** Provides support for all Tactical Air Control Systems (TACS) units in northern Germany. Support of USAF units is limited to the 2 ATAF area of Germany.

11. **Outstanding pollution and safety (OSH) deficiencies:**

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HESSISCH OLDENDORF AIR STATION, GERMANY	4. PROJECT TITLE ADD TO AND ALTER COMPOSITE RECREATION CENTER

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 740-316	7. PROJECT NUMBER KNAS855001	8. PROJECT COST ($000) 2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER COMPOSITE RECREATION CENTER	LS			1,446
COMPOSITE RECREATION ADDITION	SF	7,200	75	(540)
GYMNASIUM ADDITION	SF	8,400	75	(630)
ALTER COMPOSITE RECREATION CENTER	SF	4,600	60	(276)
SUPPORTING FACILITIES				380
UTILITIES	LS			(160)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(75)
COMMUNICATIONS SUPPORT	LS			(45)
SUBTOTAL				1,826
CONTINGENCY (5%)				91
TOTAL CONTRACT COST				1,917
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				105
TOTAL REQUEST				2,022
TOTAL REQUEST (ROUNDED)				2,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural frame, masonry walls, built-up roof system, utilities, occupant parking, and necessary support.

11. REQUIREMENT: 30,850 SF ADEQUATE: 4,623 SF SUBSTANDARD: 0 SF

PROJECT: Add to and alter the existing gymnasium to provide a composite recreation center.

REQUIREMENT: A functionally adequate athletic/recreational facility is necessary to provide areas for physical training, hobby/craft instruction, social functions, snack bar and audio center.

CURRENT SITUATION: Hessisch-Oldendorf is located in a rural area 60 miles from the nearest U.S. installation. Acceptable recreational and athletic facilities are either nonexistent or unavailable to base personnel because of transportation, distance, or saturation. The existing gymnasium facility locker rooms are overcrowded and the sports courts and exercise rooms are not able to support the demand, especially during the winter months when outside activities are scarce.

IMPACT IF NOT PROVIDED: Without an adequate recreation center, personnel will spend more time in less desirable activities, causing morale and disciplinary problems, and thus decreasing mission effectiveness. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION HESSISCH OLDENDORF AIR STATION, GERMANY		
4. PROJECT TITLE ADD TO AND ALTER COMPOSITE RECREATION CENTER		5. PROJECT NUMBER KNAS855001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a)	Date Design Started	84 JAN 30
(b)	Percent Complete as of January 1986	75
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 APR 27
(2) Basis		
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a)	Production of Plans and Specifications	90
(b)	All Other Design Costs	89
(c)	Total	179
(d)	Contract	90
(e)	In-house	89
(4) Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 0.95

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	179	2,081	74	0	0	0	1	0	0	2,335
b. END FY 19 91	181	2,098	79	0	0	0	1	0	0	2,359

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (3,474)	
b INVENTORY TOTAL AS OF 30 Sept 85	33,713
c AUTHORIZATION NOT YET IN INVENTORY	11,820
d AUTHORIZATION REQUESTED IN THIS PROGRAM	16,980
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	24,050
f PLANNED IN NEXT THREE PROGRAM YEARS	60,401
g REMAINING DEFICIENCY	9,000
h GRAND TOTAL	155,964

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214-425	Vehicle Maintenance Complex		LS	4,800	May 85	Sep 86
442-515	Medical Contigency Facility	20,500	SF	820*	Sep 83	Dec 84
442-758	Warehouse	40,000	SF	1,650	Sep 83	Jun 85
610-122	Base Supply Administration Facility	14,000	SF	1,200	May 85	Sep 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	204	PN	2,250	Jan 85	Aug 86
722-351	Dining Hall	15,200	SF	2,350	May 85	Aug 86
724-417	Visiting Officer Quarters	104	PN	3,400	Apr 85	Sep 86
730-443	Post Office	6,100	SF	510	Sep 83	Aug 85
	Total Appropriation Request			16,980		
	Total Authorization Request			16,160		
	Carry-over Authorization in FY 86			820*		

9. Future Projects: (a) Included in Following Program (FY 88):

510-001	Composite Medical Facilities	108,570	SF	20,000
721-315	Visiting Airmen Quarters	284	PN	3,750
812-000	Security Lighting		LS	300
	Total			24,050

(b) Typical Planned Next Three Years:

211-183	Sound Suppressor Support		LS	1,697
217-712	CW Protection-Avionics Maintenance Facility	2,600	SF	1,110

10. Mission or Major Functions: Tactical group headquarters. Provides management, command, control and direction for USAFE units assigned and support tactical aircraft deployed on a rotational basis.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 0.95

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF ....
c. AUTHORIZATION NOT YET IN INVENTORY ....
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ....
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ....
f. PLANNED IN NEXT THREE PROGRAM YEARS ....
g. REMAINING DEFICIENCY ....
h. GRAND TOTAL ....

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
II.	Outstanding pollution and safety (OSH) deficiencies:				
	a. Air pollution:		0		
	b. Water pollution:		0		
	c. Occupational safety and health:		0		

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4. PROJECT TITLE VEHICLE MAINTENANCE COMPLEX

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 214-425	7. PROJECT NUMBER LJYC889002	8. PROJECT COST ($000) 4,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VEHICLE MAINTENANCE COMPLEX	LS			3,658
VEHICLE MAINTENANCE SHOP	SF	53,500	62	(3,317)
VEHICLE OPERATIONS/ADMINISTRATION	SF	5,500	62	(341)
SUPPORTING FACILITIES				680
PAVEMENTS	LS			(380)
UTILITIES	LS			(160)
COMMUNICATIONS SUPPORT	LS			(100)
SITE IMPROVEMENTS	LS			(40)
SUBTOTAL				4,338
CONTINGENCY (5%)				217
TOTAL CONTRACT COST				4,555
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				251
TOTAL REQUEST				4,806
TOTAL REQUEST (ROUNDED)				4,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings, foundation, floor slabs, columns, and beams; masonry walls; metal roof deck with built-up roofing; parking; security fence; and lighting. All utilities and necessary support. Air conditioning: 50 Tons

11. REQUIREMENT: 69,900 SF ADEQUATE: 10,800 SF SUBSTANDARD: 18,900 SF

PROJECT: Construct a vehicle maintenance and operations complex.

REQUIREMENT: Adequately sized vehicle maintenance facilities are required to maintain and repair all vehicles assigned to the base. Vehicle operations administration space is required for a driver's ready room, dispatcher, classroom for driver training and testing offices and latrines. Secure WRM parking to protect contingency units.

CURRENT SITUATION: During the next several years the number of vehicles to be operated and maintained by the base will increase from 865 to nearly 2,000. The existing vehicle maintenance complex is surrounded on four sides by other activities which cannot be moved to allow expansion. Shop space is insufficient for the number of vehicles now assigned and the situation will become worse as the inventory increases. Vehicles are currently being repaired outdoors which is inefficient and often results in increased frequency of preventative maintenance tasks. Parking of new WRM assets will be in unsecure areas on base, making them vulnerable to theft and vandalism. Further, the decentralized parking of these assets will complicate the task of maintaining and rotating them in and out of the fleet.

IMPACT IF NOT PROVIDED: Vehicle maintenance will continue to operate below effective and efficient levels. New WRM assets will be subject to vandalism and deterioration. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE VEHICLE MAINTENANCE COMPLEX		5. PROJECT NUMBER LJYC889002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
(a)	Date Design Started	85 MAY 21
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 29
(2)	Basis	
(a)	Standard or Definitive Design -	Yes No X
(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	238
(b)	All Other Design Costs	125
(c)	Total	363
(d)	Contract	238
(e)	In-house	125
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4. PROJECT TITLE WAREHOUSE

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 442-758	7. PROJECT NUMBER LJYC855003	8. PROJECT COST ($000) 1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WAREHOUSE	SF	40,000	34	1,360
SUPPORTING FACILITIES				140
UTILITIES	LS			(65)
PAVEMENTS	LS			(45)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS	LS			(15)
SUBTOTAL				1,500
CONTINGENCY (5%)				75
TOTAL CONTRACT COST				1,575
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				87
TOTAL REQUEST				1,662
TOTAL REQUEST (ROUNDED)				1,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings, grade beams, columns and beams; masonry walls; cast-in-place floor slab and corrugated asbestos roof. Concrete open storage area provided with fencing, security and area lighting and gates. All fire protection, utilities and necessary support.

11. REQUIREMENT: 170,000 SF ADEQUATE: 94,500 SF SUBSTANDARD: 0 SF

PROJECT: Construct additional warehouse and paved open storage area.

REQUIREMENT: Adequate space is required to alleviate a critical shortage of storage space. A secure, well-lighted area is necessary to provide space for receiving, storing and issuing supply items.

CURRENT SITUATION: Incirlik has the only US controlled airstrip in Turkey. Supplies and spares for US communications sites and other operational locations are processed through this base. There are almost no local purchase options available for emergency requisitions. Due to over a 40 percent shortfall in warehouse space, supply items must be stored outside in receiving yards. This results in the property having to be moved and handled many times prior to being delivered. This subjects the property to damage due to excessive handling, and wastes manpower. The long lead for shipping necessitates a larger than normal on-hand stock level which requires additional storage space.

IMPACT IF NOT PROVIDED: Storage space will remain below acceptable levels. Losses due to excessive handling and exposure will severely impact support of US Forces in Turkey. This project is not NATO eligible.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR STATION, TURKEY		
4. PROJECT TITLE WAREHOUSE		5. PROJECT NUMBER LJYC855003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 SEP 02
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 JUN 30
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	108
(b) All Other Design Costs	65
(c) Total	173
(d) Contract	108
(e) In-house	65
(4) Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4. PROJECT TITLE BASE SUPPLY ADMINISTRATION FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	610-122	LJYC879004	1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE SUPPLY ADMINISTRATION FACILITY	SF	14,000	69	966
SUPPORTING FACILITIES				120
COMMUNICATIONS	LS			(40)
PAVEMENTS	LS			(40)
UTILITIES	LS			(30)
SITE IMPROVEMENTS	LS			(10)
SUBTOTAL				1,086
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,140
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				63
TOTAL REQUEST				1,203
TOTAL REQUEST (ROUNDED)				1,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete columns, beams, footings and grade beams; masonary walls; cast-in-place floor slab; concrete roof deck with urethane roofing; all utilities and necessary support. Air Conditioning: 40 Tons.

11. REQUIREMENT: 18,100 SF ADEQUATE: 4,100 SF SUBSTANDARD: 9,608 SF

PROJECT: Construct base supply administration facility.

REQUIREMENT: Adequate facility to house the base supply main administration functions. Included requirements are offices for Chief of Supply and six major branches, training and storage.

CURRENT SITUATION: Most of the base supply administration functions are housed in a Quonset hut which is nearly 30 years old, functionally obsolete and has utility systems which are beyond economical repair. The building has deteriorated to the point that it requires increasing amounts of funds to keep it operational. The quantity of supplies being requisitioned for Turkey has increased significantly in the past few years. The ability of base supply to handle this increased workload is hampered by the lack of space available for processing, distributing and storing required supply and equipment documentation. The building leaks and the air conditioning and heating are unreliable or nonexistent. The wiring throughout the building is deteriorated and requires replacing. Building will be demolished at the completion of this project.

IMPACT IF NOT PROVIDED: Base supply administration functions will continue to operate with an inadequate amount of space in a facility which is functionally, structurally, mechanically and electrically obsolete. Support of the base mission will continue to be degraded. Project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE BASE SUPPLY ADMINISTRATION FACILITY		5. PROJECT NUMBER LJYC879004

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 21
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 29
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	104
	(b) All Other Design Costs	32
	(c) Total	136
	(d) Contract	104
	(e) In-house	32
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER LJYC879001	8. PROJECT COST ($000) 2,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (204 PN)	SF	38,800	42	1,629
SUPPORTING FACILITIES				300
UTILITIES	LS			(200)
COMMUNICATIONS	LS			(65)
SITE IMPROVEMENTS	LS			(35)
SUBTOTAL				1,929
CONTINGENCY (10%)				193
TOTAL CONTRACT COST				2,122
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				117
TOTAL REQUEST				2,239
TOTAL REQUEST (ROUNDED)				2,250

10. DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical work to include conversion of central hallways into semiprivate bathrooms and central latrines to bedrooms and construction of balconies. Increased noise attenuation and energy conservation features. GRADE MIX: 204 E1-E4; Air Conditioning: 130 Tons

11. REQUIREMENT: 1,381 PN ADEQUATE: 796 PN SUBSTANDARD: 630 PN

PROJECT: Alter two unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1972. They have inadequate lighting, poor insulation and sound attenuation and inadequate electrical and mechanical systems. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full need of the base.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER LJYC879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JAN 20
	(b)	Percent Complete as of January 1986	40
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 AUG 18
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	132
	(b)	All Other Design Costs	61
	(c)	Total	193
	(d)	Contract	132
	(e)	In-house	61
(4)	Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4. PROJECT TITLE DINING HALL

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 722-351	7. PROJECT NUMBER LJYC879014	8. PROJECT COST ($000) 2,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DINING FACILITY	SF	15,200	120	1,824
SUPPORTING FACILITIES				285
UTILITIES	LS			(180)
PAVEMENTS	LS			(65)
COMMUNICATIONS SUPPORT	LS			(20)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				2,109
CONTINGENCY (5%)				105
TOTAL CONTRACT COST				2,214
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				122
TOTAL REQUEST				2,336
TOTAL REQUEST (ROUNDED)				2,350

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings and floor slabs, masonary walls, structural frame and roof system. All utilities and necessary support. Includes dining, dishwashing, kitchen, storage and administrative areas. Demolition of an existing facility. Air Conditioning: 50 Tons.

11. REQUIREMENT: 15,200 SF ADEQUATE: 0 SF SUBSTANDARD: 15,436 SF

PROJECT: Construct a dining facility.

REQUIREMENT: Adequate dining facilities are required to properly feed assigned and transient unaccompanied personnel. To attract and retain competent, professional enlisted personnel, the dining facility must provide adequate food preparation and dishwashing equipment, food storage equipment, and a pleasant dining area.

CURRENT SITUATION: Current dining facility was built in 1966 as a temporary facility. This facility has deteriorated over the years and O&M funds have been used to maintain minimum standards. The kitchen, dishwashing room, and serving line are inadequate and not properly designed to meet food service requirements. Existing conditions do not allow for efficient customer flow, safe operations or proper food preparation and service. The utility systems are deteriorating and no longer economically feasible to maintain to meet minimum food service standards. Existing facility will be demolished.

IMPACT IF NOT PROVIDED: Continued use of a substandard facility will adversely impact the health, morale, and quality of life of assigned personnel. Expenditure of O&M funds will continue for maintenance and repair of a substandard facility. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE DINING HALL		5. PROJECT NUMBER LJYC879014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 15
	(b) Percent Complete as of January 1986	50
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 AUG 08
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	0
	(b) All Other Design Costs	210
	(c) Total	210
	(d) Contract	0
	(e) In-house	210
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_8 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY	4. PROJECT TITLE VISITING OFFICER QUARTERS

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 724-417	7. PROJECT NUMBER LJYC899001	8. PROJECT COST ($000) 3,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VISITING OFFICER QUARTERS (104 PN)	SF	50,000	57	2,850
SUPPORTING FACILITIES				265
UTILITIES	LS			(105)
COMMUNICATIONS	LS			(60)
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(90)
SUBTOTAL				3,065
CONTINGENCY (5%)				153
TOTAL CONTRACT COST				3,218
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				177
TOTAL REQUEST				3,395
TOTAL REQUEST (ROUNDED)				3,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings, foundation and floor slab, columns and beam structural system, masonry walls, built-up roof, fire protection, utilities and all support. Grade Mix: 104 O1-O2. Air Conditioning: 300 Tons.

11. REQUIREMENT: 180 PN ADEQUATE: 6 PN SUBSTANDARD: 60 PN

PROJECT: Construct Visiting Officers Quarters (VOQ) facility.

REQUIREMENT: Adequate living quarters are required to properly accommodate officers and officer grade civilian personnel that serve temporary duty at Incirlik Air Base. Incirlik is the aerial port for Turkey and has a high transient officer rate.

CURRENT SITUATION: Eight of the buildings currently used as transient quarters were originally warehouses and will be demolished after completion of phase II. These substandard facilities will be 30 years old by the time this project is completed. They are totally energy inefficient and maintenance and repair costs are excessive and increasing. In order to accommodate the transient population at this base, it is necessary to house most officers two to a room. Despite this overcrowding of existing space it is still necessary to contract quarters in the city of Adana, which is eight miles from the base. Transportation between the base and town is infrequent, unreliable and inconvenient, and subjects service members to unnecessary hazards.

IMPACT IF NOT PROVIDED: Transient personnel will continue to be inadequately housed in overcrowded, deteriorated facilities. Morale will continue to be degraded and billeting costs will continue to be excessive. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE VISITING OFFICER QUARTERS		5. PROJECT NUMBER LJYC899001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 APR 03
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 SEP 17

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	242
(b)	All Other Design Costs	94
(c)	Total	336
(d)	Contract	242
(e)	In-house	94

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	87 FY 19___ MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION IRAKLION AB, GREECE	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 [illegible]

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	50	853	17	0	0	0	6	29	20	975
b. END FY 1991	50	851	21	0	0	0	6	29	20	977

7 INVENTORY DATA ($000)

a TOTAL ACREAGE N/A	
b INVENTORY TOTAL AS OF 30 Sept 85	
c AUTHORIZATION NOT YET IN INVENTORY	
d AUTHORIZATION REQUESTED IN THIS PROGRAM	320
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f PLANNED IN NEXT THREE PROGRAM YEARS	
g REMAINING DEFICIENCY	
h GRAND TOTAL	320

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	COMPLETE
442-515	Second Echelon Medical Logistics Storage Facility	4,100 SF	320	May 85	Dec 86

9. **Future Projects:** None

10. **Mission or Major Functions:** This installation is a major communications base and provides support to assigned Electonic Systems Command units.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution	0
c.	Occupational safety and health	0

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTRUCTION COST INDEX 0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	514	4,351	201	0	0	0	1	1	0	5,068
b. END FY 19 91	525	4,525	207	0	0	0	1	1	0	5,259

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,002)	
b. INVENTORY TOTAL AS OF 30 Sept 85	128,103
c. AUTHORIZATION NOT YET IN INVENTORY	7,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	54,835
f. PLANNED IN NEXT THREE PROGRAM YEARS	35,930
g. REMAINING DEFICIENCY	3,500
h. GRAND TOTAL	234,388

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-628	Base Supply Storage Shed	13,100 SF	500	Nov 84	Aug 86
730-443	Post Office	11,900 SF	1,200	Feb 85	Aug 86
740-674	Gymnasium	21,000 SF	2,500*	Feb 84	Jul 86
	Total Appropriation Request		4,200		
	Total Authorization Request		1,700		
	Carry-over Authorization in FY 86		2,500*		

9. Future Projects: Included in Following Program (FY 88):

131-111	Semihardened Telecommunications Facility	2,300 SF	675
141-453	Base Operations	8,700 SF	1,050
141-700	CW Protection-Squadron Operations	2,600 SF	1,060
141-700	CW Protection-Squadron Operations	2,600 SF	1,060
141-700	CW Protection-Squadron Operations	2,600 SF	1,060
171-476	Combat Arms Range	LS	830
510-001	Add to and Alter Composite Medical Facility	223,200 SF	40,000
610-000	Consolidated Support Facility	73,500 SF	6,800
721-312	Alter Unaccompanied Enlisted Personnel Housing	210 PN	2,300
	Total		54,835

10. Mission or Major Functions: This base hosts a wing headquarters which is responsible for management, command, control and direction for USAFE units assigned to the base and four tactical fighter squadrons operating F-111 type aircraft in support of contingency and war plans.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

DD FORM 1390

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM	4. PROJECT TITLE POST OFFICE

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 730-443	7. PROJECT NUMBER MSET86900400	8. PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POST OFFICE	SF	11,900	71	844
SUPPORTING FACILITIES				250
PAVEMENTS	LS			(125)
UTILITIES	LS			(75)
SITE IMPROVEMENTS	LS			(45)
COMMUNICATIONS SUPPORT	LS			(5)
SUBTOTAL				1,094
CONTINGENCY (5%)				55
TOTAL CONTRACT COST				1,149
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				29
TOTAL REQUEST				1,178
TOTAL REQUEST (ROUNDED)				1,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry walls, frame roof with clay tiles. Area includes offices, work areas, latrines, mechanical room and customer service space. All utilities, vehicle parking, and necessary support.

11. REQUIREMENT: 11,900 SF ADEQUATE: 0 SF SUBSTANDARD: 6,616 SF

PROJECT: Construct a central post office.

REQUIREMENT: A central post office is essential to the efficient and normal conduct of official business and the welfare of assigned personnel. In addition to the receipt and distribution of personal mail, space is needed to serve additional specialized functions including a postal directory, non-resident school dorms and the USAF hospital.

CURRENT SITUATION: The existing post office function is housed in a facility constructed in WW II which is too small and functionally inadequate. Overcrowding results in personal mail and bulk packages remaining in delivery trucks for several days until internal storage is available for sorting or for temporary storage prior to pickup.

IMPACT IF NOT PROVIDED: This is the only US Postal Service facility available for use by assigned personnel. Without the improved service of a new postal center, morale of personnel will decline and mail distribution will remain insufficient. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE POST OFFICE		5. PROJECT NUMBER MSPT86900400

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 FEB 07
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 AUG 31
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	61
	(b)	All Other Design Costs	0
	(c)	Total	61
	(d)	Contract	61
	(e)	In-house	0
(4)	Construction start		87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM	4. PROJECT TITLE GYMNASIUM

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 740-674	7. PROJECT NUMBER MSET866005	8. PROJECT COST ($000) 2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GYMNASIUM	SF	21,000	76	1,596
SUPPORTING FACILITIES				730
UTILITIES	LS			(150)
SITE IMPROVEMENT	LS			(160)
PAVEMENTS	LS			(370)
SEISMIC	LS			(50)
SUBTOTAL				2,326
CONTINGENCY (5%)				116
TOTAL CONTRACT COST				2,442
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				61
TOTAL REQUEST				2,503
TOTAL REQUEST (ROUNDED)				2,500

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, load bearing masonry walls and steel frame in-filled with masonry, walls, roof system. Area includes basketball/volleyball courts, handball/squash courts, administration support areas, toilets, men's and women's locker rooms and showers. All utilities and necessary support.

11. REQUIREMENT: 42,200 SF ADEQUATE: 2,600 SF SUBSTANDARD: 18,600 SF

PROJECT: Construct a gymnasium.

REQUIREMENT: A facility is required for the physical training, conditioning, and recreation of military personnel and their dependents. A facility which provides a variety of physical conditioning activities is essential to the development and retention of personnel. Alternate use as a fallout shelter can be made during contingencies and exercise.

CURRENT SITUATION: The existing substandard facility is too small to meet the needs of the base. The facility is highly utilized but can only accommodate 40% of the military population. Many people are turned away and the number of athletic programs must be limited despite optimum scheduling and the use of waiting lists. There are 168 half-sized lockers and 17 full-size lockers randomly placed in a three room configuration; cramped conditions do not allow adequate room for changing clothes. Shower and latrine facilities are limited.

IMPACT IF NOT PROVIDED: The athletic and physical training programs will continue to be limited due to inadequate facilities. This limits availability of off-duty recreation and impacts morale. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE GYMNASIUM		5. PROJECT NUMBER MSET866005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	84 FEB 09
	(b)	Percent Complete as of January 1986	90
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 JUL 31
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	144
	(b)	All Other Design Costs	0
	(c)	Total	144
	(d)	Contract	144
	(e)	In-house	0
(4)	Construction start		86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION LINDSEY AIR STATION, GERMANY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	181	1682	180	0	0	0	22	108	6	2179
b. END FY 19 91	192	1826	190	0	0	0	22	108	6	2344

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (82)	
b. INVENTORY TOTAL AS OF 30 Sept 85	5,592
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,500
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	14,292

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-118	Digital European Backbone Facility	3,700 SF	1,200	May 85	Jan 87

9. Future Projects: (a) Included in Following Program (FY 88): None
(b) Typical Planned Next Three Years:

721-312	Alter Unaccompanied Enlisted Personnel Housing	252 PN	3,000
721-312	Alter Unaccompanied Enlisted Personnel Housing	455 PN	4,500

10. Mission or Major Functions: This installation provides logistic and administrative support to assigned Air Force units in the greater Wiesbaden area.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

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1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LINDSEY AIR STATION, GERMANY	DIGITAL EUROPEAN BACKBONE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
3.31.26	131-118	ESDS870013	1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIGITAL EUROPEAN BACKBONE FACILITY	SF	3,700	220	814
SUPPORTING FACILITIES				275
UTILITIES	LS			(230)
SITE IMPROVEMENTS	LS			(25)
SUBTOTAL				1,089
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,143
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				63
TOTAL REQUEST				1,206
TOTAL REQUEST (ROUNDED)				1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(1,027)

10. DESCRIPTION OF PROPOSED CONSTRUCTION Semi-hardened reinforced concrete foundations, floor slab, walls, roof; emergency generator, utilities and site support. Includes technical and administrative areas. Air Conditioning: 5 Tons

11. REQUIREMENT: 3700 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a facility to house Digital European Backbone (DEB) communications equipment.

REQUIREMENT: DEB is a microwave relay system which is required as the primary defense communication system for the US Armed Forces in Europe. It furnishes rapid and reliable service in both voice and data modes.

CURRENT SITUATION: The current microwave communications system is insufficient in channel capacity and insecure for transmitting classified information. This digital upgrade will provide increased channel capacity, higher degree of reliability, and bulk encryptioned secure communcations for users in Europe.

IMPACT IF NOT PROVIDED: Without this site, a vital link of the DEB cannot be provided. This would seriously degrade other higher priority systems depending on the European Backbone for continuity of their communication link. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION LINDSEY AIR STATION, GERMANY		
4. PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY		5. PROJECT NUMBER ESDS870013

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 10
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	90
	(d) Date Design Complete	87 JAN 14
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	42
	(b) All Other Design Costs	36
	(c) Total	78
	(d) Contract	42
	(e) In-house	36
(4)	Construction start	87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Antenna and Tower	3080	87	36
Radius	3080	87	300
AN/FCC-99/98	3080	87	565
UPS/Batteries	3080	87	35
Tramcon/Comsec	3080	87	91

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION RAF MARTLESHAM HEATH, UNITED KINGDOM	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX .97

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	2	67	0	0	0	0	0	0	0	69
b. END FY 19 91	2	67	1	0	0	0	0	0	0	69

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (9)	
b. INVENTORY TOTAL AS OF 30 Sept 85	904
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,554

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-118	Digital European Backbone Facility	4,300 SF	1,650	Jun 85	Sep 86

9. Future Projects: None

10. Mission or Major Functions: A radio relay site that supports the Defense Communications System.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF MARTLESHAM HEATH, UNITED KINGDOM	4 PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
3.31.26	131-118	ESDS870007	1,650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIGITAL EUROPEAN BACKBONE FACILITY	SF	4,300	220	946
SUPPORTING FACILITIES				580
COMMUNICATIONS SUPPORT	LS			(5)
UTILITIES	LS			(520)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(5)
SUBTOTAL				1,526
CONTINGENCY (5%)				76
TOTAL CONTRACT COST				1,602
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				42
TOTAL REQUEST				1,642
TOTAL REQUEST (ROUNDED)				1,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	(NON-ADD)			(4,539)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Semi-hardened reinforced concrete foundation, floor slab, walls, and roof; emergency generators, and necessary site support. Includes technical and administrative areas. Air Conditioning: 5 Tons.

11. REQUIREMENT: 4,300 SF ADEQUATE 0 SUBSTANDARD: 0

PROJECT: Construct a facility to house Digital European Backbone (DEB) communications equipment.

REQUIREMENT: DEB is a microwave relay system used as the primary defense communication system for the U.S. Armed Forces in Europe. It furnishes rapid and reliable service capable of secure and non-secure communications in both voice and data modes.

CURRENT SITUATION: The current microwave communications system is insufficient in channel capacity and insecure for transmitting classified information. This digital upgrade will provide increased channel capacity and reliability. It will also provide bulk encryptioned secure communications for users in Europe.

IMPACT IF NOT PROVIDED: Without this site, a vital link of the DEB cannot be provided. This would seriously degrade the other high priority systems depending on this European backbone for continuity of their communication linkage. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO 926

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF MARTLESHAM HEATH, UNITED KINGDOM		
4. PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY		5. PROJECT NUMBER ESDS870007

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 15
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	95
	(b) All Other Design Costs	0
	(c) Total	95
	(d) Contract	95
	(e) In-house	0
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Modem	3080	85	600
Antenna, TROPO - East, UPS	3080	86	1,286
AN/FCC-120/99	3080	87	600
AN/FCC-99	3080	87	439
LOS Antenna/UPS	3080	87	64
TROPO-North	3080	88	1,550

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3 INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	271	2,609	161	0	0	0	292	643	9	3,985
b. END FY 19 91	279	2,639	171	0	0	0	292	643	9	4,033

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,111)	
b. INVENTORY TOTAL AS OF 30 Sept 85	52,862
c. AUTHORIZATION NOT YET IN INVENTORY	4,080
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	18,732
g. REMAINING DEFICIENCY	1,400
h. GRAND TOTAL	89,324

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-312	Unaccompanied Enlisted Personnel Housing	224 PN	4,700	Jan 85	Aug 86

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Alter Unaccompanied Enlisted Personnel Housing	280 PN	2,600
740-834	Child Care Center	7,140 SF	750
842-245	Alter Water Distribution System	31,700 LF	4,200
	Total:		7,550

(b) Typical planned next three years:

740-674	Add to and Alter Gymnasium	4,965 SF	540
812-000	Security Lighting	LS	542

10. Mission or Major Functions: This base hosts a numbered Air Force headquarters which provides management, command, control and direction for USAFE units in Great Britian. The host unit, a tactical airlift wing provides management, command, control and direction for assigned USAFE units; supports rotational C-130 airlift units; provides support to a strategic wing which provides direction to air refueling aircraft and strategic reconnaissance assets. The base also supports USCINCEUR'S command and control aircraft (EC-135).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.75.96	721-312	QPQE879005	4,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (224 PN)	SF	47,100	60	2,920
SUPPORTING FACILITIES				1,430
UTILITIES	LS			(350)
PAVEMENTS	LS			(350)
DEMOLITION	LS			(235)
RELOCATION OF UNDERGROUND UTILITIES	LS			(230)
SITE IMPROVEMENTS	LS			(135)
SPECIAL FOUNDATIONS	LS			(100)
COMMUNICATIONS	LS			(30)
SUBTOTAL				4,350
CONTINGENCY (5%)				218
TOTAL CONTRACT COST				4,568
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				114
TOTAL REQUEST				4,682
TOTAL REQUEST (ROUNDED)				4,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slabs, masonry walls, steel frame structure and low-pitched tile roof. Provides room-bath-room configuration and external balconies. Includes fire protection, utilities and demolition/relocation of existing incumberances. GRADE MIX: 224 E1-E6 (200 E1-E4/24 E5-E6).

11. REQUIREMENT: 1,781 PN ADEQUATE: 322 PN SUBSTANDARD: 1,210 PN

PROJECT: Construct two unaccompanied personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: There are not enough facilities to accommodate the on-base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited local expensive rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base. Seven obsolete facilities over 50 years old will be demolished to make way for these projects.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity and career satisfaction. This project is not NATO eligible.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER OPOE879005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 28
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 15

(2) Basis

(a) Standard or Definitive Design - Yes - No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	273
(b) All Other Design Costs	0
(c) Total	273
(d) Contract	273
(e) In-house	0

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT
AIR FORCE

FY 19 87 MILITARY CONSTRUCTION PROGRAM

2. DATE

3 INSTALLATION AND LOCATION
RAF MOLESWORTH, UNITED KINGDOM

4. COMMAND
UNITED STATES AIR FORCES IN EUROPE

5. AREA CONSTR COST INDEX
0.97

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	0	6	0	0	0	0	0	0	0	6
b. END FY 19 91	95	598	7	0	0	0	0	0	0	700

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (46)	
b. INVENTORY TOTAL AS OF 30 Sept 85	15,086
c. AUTHORIZATION NOT YET IN INVENTORY	20,333
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,430
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,650
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	40,499

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-000	CW-Protection-Central Security Control	2,600 SF	1,050	Feb 85	Jun 86
141-000	CW-Protection-Wing Command Post	2,600 SF	1,050	Mar 85	May 86
610-127	GLCM-Base Civil Engineer Complex	LS	330	Jun 84	Aug 86
	Total		2,430		

9. Future Projects: Included in Following Program (FY 88):

740-000	Branch Exchange	7,700 SF	650
740-674	Physical Training Facility	11,400 SF	2,000
	Total		2,650

10. Mission or Major Functions: This base will host a tactical missile group headquarters which will be responsible for management, command, control and direction of units assigned to the base including tactical missile squadrons which operate BGM-109 missiles (GLCM).

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF MOLESWORTH, UNITED KINGDOM	4 PROJECT TITLE CW PROTECTION- CENTRAL SECURITY CONTROL

5 PROGRAM ELEMENT 2.75.93	6 CATEGORY CODE 141-000	7 PROJECT NUMBER QNDG889002	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CW PROTECTION-CENTRAL SECURITY CONTROL	SF	2,600	330	858
SUPPORTING FACILITIES				125
UTILITIES	LS			(95)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS	LS			(10)
PAVEMENTS	LS			(5)
SUBTOTAL				983
CONTINGENCY (5%)				49
TOTAL CONTRACT COST				1,032
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				26
TOTAL REQUEST				1,058
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footing, floor slab, walls, with special structural frame and mechanical system; includes chemical, biological, and radiological decontamination cell and associated filtering system. All utilities and necessary support.

11. REQUIREMENT: 5,200 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a chemical warfare cell for a semi-hardened central security control.

REQUIREMENT: In a European war scenario, the threat of a chemical attack is highly likely. NATO Criteria and Standards for Tactical and Transport Airfields (6th edition), states Nuclear Biological Chemical Measures must be provided nationally. Processing cells will serve as decontamination chambers and will provide an area to decontaminate personnel prior to entering the main facility.

CURRENT SITUATION: NATO provides semi-hardened operations facilities for functions which must be performed on a continual basis during wartime and are critical to sortie generation. The functions performed in these facilities cannot be performed in a chemical protective suit while wearing a gas mask. NATO will construct a semi-hardened operational facility reducing the threat from conventional attack, but NATO criteria excludes by agreement CW protective measures. Existing facilities will not provide adequate personnel protection during a confrontation.

IMPACT IF NOT PROVIDED: Survival of aircrews, avionics maintenance, photo interpretation, and other essential operations personnel will be severely jeopardized in the event of a chemical attack, since the approved NATO operational facility will be without CW protection. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

RAF MOLESWORTH, UNITED KINGDOM

4. PROJECT TITLE CW PROTECTION-CENTRAL SECURITY CONTROL	5. PROJECT NUMBER QNDG889002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 FEB 20
(b) Percent Complete as of January 1986	50
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUN 30
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	57
(b) All Other Design Costs	0
(c) Total	57
(d) Contrac	57
(e) In-house	0
(4) Construction start	86 OCT

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION RAF MOLESWORTH, UNITED KINGDOM		4 PROJECT TITLE CW PROTECTION- WING COMMAND POST	
5 PROGRAM ELEMENT 2.75.93	6 CATEGORY CODE 141-000	7 PROJECT NUMBER QNDG889003	8 PROJECT COST ($000) 1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CW PROTECTION-WING COMMAND POST	SF	2,600	330	858
SUPPORTING FACILITIES				125
UTILITIES	LS			(95)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS	LS			(10)
PAVEMENTS	LS			(5)
SUBTOTAL				983
CONTINGENCY (5%)				49
TOTAL CONTRACT COST				1,032
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				26
TOTAL REQUEST				1,058
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footing, floor slab, walls, with special structural frame and mechanical system: includes chemical, biological, and radiological decontamination cell and associated filtering system. All utilities and necessary support.

11. REQUIREMENT: 5,200 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a chemical warfare cell for a semi-hardened wing command post.

REQUIREMENT: In a European war scenario, the threat of a chemical attack is highly likely. NATO Criteria and Standards for Tactical and Transport Airfields (6th edition), states Nuclear Biological Chemical Measures must be provided nationally. Processing cells will serve as decontamination chambers and will provide an area to decontaminate personnel prior to entering the main facility.

CURRENT SITUATION: NATO provides semi-hardened operations facilities for functions which must be performed on a continual basis during wartime and are critical to sortie generation. The functions performed in these facilities cannot be performed in a chemical protective suit while wearing a gas mask. NATO will construct a semi-hardened operational facility reducing the threat from conventional attack, but NATO criteria excludes by agreement CW protective measures. Existing facilities will not provide adequate personnel protection during a confrontation.

IMPACT IF NOT PROVIDED: Survival of aircrews, avionics maintenance, photo interpretation, and other essential operations personnel will be severely jeopardized in the event of a chemical attack, since the approved NATO operational facility will be without CW protection. This project is not NATO eligible.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF MOLESWORTH, UNITED KINGDOM		
4. PROJECT TITLE CW PROTECTION-WING COMMAND POST		5. PROJECT NUMBER QNDG889003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
(a)	Date Design Started	85 MAR 29
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 30
(2)	Basis	
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	56
(b)	All Other Design Costs	0
(c)	Total	56
(d)	Contract	56
(e)	In-house	0
(4)	Construction start	86 OCT

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION MOROCCO	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 0.92

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (0)	
b INVENTORY TOTAL AS OF 30 Sept 85	0
c. AUTHORIZATION NOT YET IN INVENTORY	3,100
d AUTHORIZATION REQUESTED IN THIS PROGRAM	25,400
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f PLANNED IN NEXT THREE PROGRAM YEARS	0
g REMAINING DEFICIENCY	0
h GRAND TOTAL	28,500

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	POL Resupply System	LS	25,400	May 85	Aug 86

9. Future Projects: (a) Included in Following Program (FY 88): None
(b) Typical Planned Next Three Years:

400-000 Various POL Facilities LS 15,200

10. Mission or Major Functions: Provides enroute support to U.S. forces during contingencies.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution: 0
b. Water pollution: 0
c. Occupational safety and health: 0

1 COMPONENT AIR FORCE	FY 19_8 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION MOROCCO	4. PROJECT TITLE PETROLEUM RESUPPLY SYSTEM

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 100-000	7. PROJECT NUMBER QUSG866010	8. PROJECT COST ($000) 25,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PETROLEUM RESUPPLY SYSTEM	LS			21,194
POL FACILITIES AND STORAGE	LS			(13,436)
UPGRADE AND ALTER RAIL FACILITIES	LS			(7,758)
SUPPORTING FACILITIES	LS			1,720
UTILITIES	LS			(860)
PAVEMENTS	LS			(430)
SITE IMPROVEMENTS	LS			(430)
SUBTOTAL				22,914
CONTINGENCY (5%)				1,146
TOTAL CONSTRUCTION COST				24,060
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				1,323
TOTAL REQUEST				25,383
TOTAL REQUEST (ROUNDED)				25,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct POL offloading facilities at a port location to include pipeline and transfer pump station for unloading super tanker fuel ships, POL storage for 755,000 barrels and rail load/unload, parking and spur. Includes necessary utilities and supporting facilities.

11. REQUIREMENT: As required.

PROJECT: Modify existing facilities and construct several new facilities to provide critical operations support for a port offload system, rail and pipeline systems, and bulk petroleum storage at two locations.

REQUIREMENT: Sufficient enroute refueling tank storage is required to support the transit of airlift assets from the United States to Southwest Asia Region. Adequate support facilities to include storage and distribution are required to offload at a port facility, transport and store for future use.

CURRENT SITUATION: See CLASSIFIED DD Form 1391.

IMPACT IF NOT PROVIDED: See CLASSIFIED DD Form 1391. These projects are not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MOROCCO		
4. PROJECT TITLE PETROLEUM RESUPPLY SYSTEM		5. PROJECT NUMBER QUSG866010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 20
	(b) Percent Complete as of January 1986	40
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 AUG 30
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used - OMAN	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	1178
	(b) All Other Design Costs	62
	(c) Total	1240
	(d) Contract	1199
	(e) In-house	41
(4)	Construction start	87 JUL

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 COMMAND	5 AREA CONSTR COST INDEX
PIRINCLIK AIR STATION, TURKEY	UNITED STATES AIR FORCES IN EUROPE	0.95

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			8
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	TOTAL
a. AS OF 30 Sept 85	15	147	1	0	0	0	0	0	0	163
b. END FY 1991	15	148	1	0	0	0	0	0	0	164

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE 176	
b. INVENTORY TOTAL AS OF 30 Sept 84	10,868
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,550
f. PLANNED IN NEXT THREE PROGRAM YEARS	1,300
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL Total	16,718

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
721-312	Unaccompanied Enlisted Personnel Housing	256 PN	3,000	Mar 85	Aug 86

9. Future Projects: (a) Included in Following Program (FY 88):

610-000	Consolidated Support Complex	15,000 SF	1,550

(b) Typical Planned Next Three Years:

740-675	Composite Recreation Center	12,000 SF	1,300

10. Mission or Major Functions: USAFE Air Base Squadron provides support function and hosts a Space Command Squadron.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air Pollution:	0
b. Water Pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION PIRINCLIK AIR STATION, TURKEY	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FGQT879001	8. PROJECT COST ($000) 3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (256 PN)	SF	48,000	54	2,592
SUPPORTING FACILITIES				135
UTILITIES	LS			(70)
PAVEMENTS	LS			(45)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS	LS			(5)
SUBTOTAL				2,727
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,863
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				157
TOTAL REQUEST				3,020
TOTAL REQUEST (ROUNDED)				3,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete two-story frame building, concrete floors, roof and foundation, masonry walls, fire protection, utilities and necessary support. Includes room-bath-room configuration, closets, lounges, centralized storage, laundry and support space. GRADE MIX: 256 E1-E4. Air Conditioning: 160 Tons

11. REQUIREMENT: 256 PN ADEQUATE: 0 PN SUBSTANDARD: 148 PN

PROJECT: Construct an unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The seven existing on-base quarters are 20-25 years old and are Quonset-hut configured. Utility systems are obsolete and inefficient to operate. These seven facilities will be demolished when this project is completed.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. Maintenance costs will continue to increase excessively. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PIRINCLIK, TURKEY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER PGQT879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 MAR 20
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 AUG 18
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	0
(b) All Other Design Costs	280
(c) Total	280
(d) Contract	0
(e) In-house	280
(4) Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION PRUEM AIR STATION, GERMANY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	38	407	3	0	0	0	0	0	0	448
b. END FY 19 91	38	4418	4	0	0	0	0	0	0	520*

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (47)	
b. INVENTORY TOTAL AS OF 30 Sept 85	2,423
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,250
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	4,823

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740-316	Composite Recreation Center	12,000 SF	1,150	Sep 83	Jul 85

9. Future Projects: Included in Following Program (FY 88):

730-773	Chapel Center	10,350 SF	1,250

10. Mission or Major Functions: A Tactical Control Site. Base provides support for a Tactical Control Squadron and a Tactical Control Flight.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION PRUEM AIR STATION, GERMANY	4. PROJECT TITLE COMPOSITE RECREATION CENTER

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 740-316	7. PROJECT NUMBER TUCL855001	8 PROJECT COST ($000) 1,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE RECREATION CENTER	SF	12,000	75	900
SUPPORTING FACILITIES				155
UTILITIES	LS			(65)
SITE IMPROVEMENTS	LS			(50)
PAVEMENTS	LS			(35)
COMMUNICATIONS	LS			(5)
SUBTOTAL				1,055
CONTINGENCY (5%)				53
TOTAL CONTRACT COST				1,108
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				61
TOTAL REQUEST				1,169
TOTAL REQUEST (ROUNDED)				1,150

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, purchase and erection of a masonry or precast concrete building with all necessary utilities and supporting facilities. Area includes recreation center, multi-purpose court, weight room, recreation supplies, library, arts & crafts shop, game & sports rooms, office, toilets, hallways, storage and mechanical rooms.

11. REQUIREMENT: 17,400 SF ADEQUATE: 5,400 SF SUBSTANDARD: 7,900 SF

PROJECT: Construct a composite recreation center.

REQUIREMENT: Recreation facilities for individual and group social, recreational and athletic activities. Programs include weight training, physical fitness, recreation/hobby classes, dances, hobby groups, music taping rooms, general lounge and snack bar.

CURRENT SITUATION: Pruem Air Station is located in a rural community and social recreation outlets are unavailable off-base because of transportation or cost restraints. Pruem Air Station is 25 km from the nearest town and 50 km from Bitburg Air Base. Existing recreation activities use three wooden facilities built in 1953. It is not economical to upgrade or repair these facilities which will be demolished. The existing gym will be retained. The floor area that is available cannot be divided to accommodate separate, simultaneous functions. Scheduling conflicts and disturbances among activities severly limit the program that can be offered to service members.

IMPACT IF NOT PROVIDED: An adequate recreation center is the hub for leisure activities of off-duty personnel. Substandard facilities cause low morale which leads to disciplinary problems, and decreases mission effectiveness. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PRUEM AIR STATION, GERMANY		
4. PROJECT TITLE COMPOSITE RECREATION CENTER		5. PROJECT NUMBER TUCL855001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 SEP 08
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 JUL 01

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	22
(b) All Other Design Costs	40
(c) Total	62
(d) Contract	35
(e) In-house	27

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.07

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	1,641	6,989	781	0	0	0	43	439	92	9,985
b. END FY 19 91	1,565	7,497	788	0	0	0	43	439	92	10,416

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (4,449)	
b INVENTORY TOTAL AS OF 30 Sept 85	152,783
c AUTHORIZATION NOT YET IN INVENTORY	11,520
d AUTHORIZATION REQUESTED IN THIS PROGRAM	73,620
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	25,411
f PLANNED IN NEXT THREE PROGRAM YEARS	71,010
g REMAINING DEFICIENCY	25,300
h GRAND TOTAL	359,644

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	F-16-Various Support Facilities		LS	9,400	Mar 85	Sep 86
141-745	Protected Combat Target Center		LS	36,000	Mar 85	Nov 86
214-425	Add to and Alter Vehicle Maintenance Shops		LS	6,000	Mar 85	May 86
171-815	Add to and Alter NCO Academy (Kapoun)	19,200	SF	1,850	Apr 85	Sep 86
422-000	Weapons Storage & Security System	4	EA	800	Mar 85	Jul 86
452-258	Outdoor Process/ Pallet Storage	19,100	SY	1,350	Jan 85	Mar 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	256	PN	2,900	May 85	Jul 86
721-312	Unaccompanied Enlisted Personnel Housing	432	PN	6,300	Jan 84	Jun 86
721-312	Unaccompanied Enlisted Personnel Housing	216	PN	3,000	Apr 85	Sep 86
724-417	Visiting Officers Quarters	80	PN	3,000	Jul 84	Jun 86
812-926	Security Lighting		LS	420	May 85	May 86
841-427	Water Storage Tank	2	EA	2,600	May 84	Sep 86
	Total			73,620		

9. Future Projects: Included in Following Program (FY 88):

130-142	Fire Station	5,000	SF	560
218-712	Trailer Maintenance Facility	8,700	SF	1,500
422-000	Weapons Storage Vaults	32	EA	6,436
442-758	Equipment Storage Warehouse	14,000	SF	800
610-000	Logistics Facility Addition	15,000	SF	1,350

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE F-16 BEDDOWN SUPPORT FACILITIES

5 PROGRAM ELEMENT 2.71.33	6 CATEGORY CODE 100-000	7. PROJECT NUMBER TYFR870901	8. PROJECT COST ($000) 9,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16 BEDDOWN SUPPORT FACILITIES	LS			9,400
MUNITIONS LOAD CREW TRAINING FACILITY	SF	25,000		(2,350)
WAREHOUSE	SF	40,000		(2,200)
CENTRAL SECURITY CONTROL FACILITY	SF	5,500		(2,050)
ADD TO AND ALTER AEROSPACE SUPPORT EQUIPMENT COMPLEX	LS			(1,600)
AIRCRAFT MAINTENANCE FACILITY	SF	10,000		(1,200)
TOTAL REQUEST				9,400

NOTE 1: THE ABOVE COSTS ARE ROUNDED AND INCLUDE CONTINGENCY (5% FOR NEW FACILITIES OR 10% FOR ALTERATION PROJECTS) AND SUPERVISION, INSPECTION AND OVERHEAD (SIOH) (5.5%).

NOTE 2: THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON REQUIREMENTS IN SUPPORT OF THE F-16 BEDDOWN AT RAMSTEIN AB. INDIVIDUAL PROJECT REQUIREMENTS ARE OUTLINED ON ATTACHED FORMS 1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor, walls with special structural frame, roof system, utilities and mechanical systems. Provide operations and support facilities for the F-16 beddown at Ramstein AB.

11. REQUIREMENT: As required.

PROJECT: Construct new and add to and alter existing facilities as necessary to support the beddown of F-16 aircraft.

REQUIREMENT: Adequate facilities, properly sized, configured and located to support the various operations, maintenance and support functions associated with the F-16 mission.

CURRENT SITUATION: Existing facilities to be vacated by current base functions will be used for the F-16 to the maximum extent possible. All other facilities are being used by existing base functions which are not related to the F-16 mission. There are not enough facilities available at Ramstein AB to adequately provide operations, maintenance and support space for the F-16 beddown.

IMPACT IF NOT PROVIDED: The F-16 mission cannot be performed at Ramstein AB which will severely reduce the effectiveness of US forces in Europe. Project is not NATO eligible.

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE

3 INSTALLATION AND LOCATION
RAMSTEIN AIR BASE, GERMANY

4 PROJECT TITLE
F-16-MUNITIONS LOAD CREW TRAINING FACILITY

5 PROGRAM ELEMENT
2.71.33

6 CATEGORY CODE
171-875

7 PROJECT NUMBER
TYFR879024

8 PROJECT COST ($000)
2,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16-MUNITIONS LOAD CREW TRAINING FACILITY	SF	25,000	68	1,700
SUPPORTING FACILITIES				400
UTILITIES	LS			(160)
PAVEMENTS	LS			(115)
COMMUNICATIONS	LS			(80)
SITE IMPROVEMENTS	LS			(45)
SUBTOTAL				2,100
CONTINGENCY (5%)				105
TOTAL CONTRACT COST				2,205
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				121
TOTAL REQUEST				2,326
TOTAL REQUEST (ROUNDED)				2,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION All work necessary to construct a 25,000 SF pre-engineered, steel-frame building with sheet-metal walls, built-up roof, concrete floor slab and foundation, to include open bays, classrooms, offices, equipment rooms, latrine facilities, and mechanical room. All utilities and support.

11. REQUIREMENT: 25,000 SF ADEQUATE: 0 SUBSTANDARD: 4,800 SF

PROJECT: Construct a munitions load crew training facility.

REQUIREMENT: Provide a facility to ensure that a minimum of 48 weapons load crews acquire and maintain the knowledge and physical proficiency to perform in a safe and efficient manner in support of the F-16 mission.

CURRENT SITUATION: Munitions load crews are currently trained in a maintenance hangar which is not large enough for training in support of the new F-16 mission. The F-16 mission conversion necessitates training on two F-16 aircraft, to form, train, and certify load crews on a monthly basis, in a safe and reliable environment. Classrooms are currently located in another former maintenance hangar which causes a separation and interruption of theoretical and practical training.

IMPACT IF NOT PROVIDED: Load crews may not be thoroughly trained in munitions loading which will result in an adverse impact on support for the F-16 mission. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE F-16-MUNITIONS LOAD CREW TRAINING FACILITY		5. PROJECT NUMBER TYFR879024

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 APR 30
(b) Percent Complete as of January 1986		40
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 AUG 21
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		80
(b) All Other Design Costs		65
(c) Total		145
(d) Contract		80
(e) In-house		65
(4) Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_8 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 PROJECT TITLE F-16-WAREHOUSE

5 PROGRAM ELEMENT 2.71.33	6 CATEGORY CODE 442-758	7 PROJECT NUMBER TYFR879034	8 PROJECT COST ($000) 2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16-WAREHOUSE	SF	40,000	35	1,400
SUPPORTING FACILITIES				595
SITE IMPROVEMENTS	LS			(275)
PAVEMENTS	LS			(215)
UTILITIES	LS			(90)
COMMUNICATIONS	LS			(15)
SUBTOTAL				1,995
CONTINGENCY (5%)				100
TOTAL CONTRACT COST				2,095
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				115
TOTAL REQUEST				2,210
TOTAL REQUEST (ROUNDED)				2,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab with masonry walls and roofing system. Area includes warehouse space, mechanical rooms, latrines and uncovered loading docks. Includes all utilities, necessary support, and fire protection.

11. REQUIREMENT: 674,906 SF ADEQUATE: 90,370 SF SUBSTANDARD: 266,425 SF

PROJECT: Construct a base supply warehouse.

REQUIREMENT: Due to the F-16 aircraft conversion, additional warehouse space is required to store numerous supply items which are needed by base organizations. All of these items are of a nature that they must be protected from adverse weather elements. The type items to be stored range from spare aircraft parts supporting the flying mission to the day-to-day supplies needed to maintain the base real property.

CURRENT SITUATION: There is already a serious shortfall of storage space which will be increased by the F-16 beddown. Substandard facilities have to be kept in use because the space required to store on-hand supply assets exceeds the space available in both substandard and adequate facilities. Some items have to be stored outside due to the lack of any covered storage space. Moreover, there is forced use of temporarily empty facilities and of aircraft shelters designated for dual-based aircraft. During exercises, these shelters are emptied and the supplies deteriorate in outside storage.

IMPACT IF NOT PROVIDED: Continued loss of critical resources and degraded mission support. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE F-16-WAREHOUSE		5. PROJECT NUMBER TYFR879034

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 APR 30
	(b)	Percent Complete as of January 1986	40
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 11
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	85
	(b)	All Other Design Costs	68
	(c)	Total	153
	(d)	Contract	85
	(e)	In-house	68
(4)	Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE F-16-CENTRAL SECURITY CONTROL FACILITY

5 PROGRAM ELEMENT 2.71.33	6 CATEGORY CODE 730-833	7. PROJECT NUMBER TYFR879028	8. PROJECT COST ($000) 2,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16-CENTRAL SECURITY CONTROL FACILITY	SF	5,500	290	1,595
SUPPORTING FACILITIES				245
UTILITIES	LS			(110)
SITE IMPROVEMENTS	LS			(70)
PAVEMENTS	LS			(45)
COMMUNICATIONS SUPPORT	LS			(20)
SUBTOTAL				1,840
CONTINGENCY (5%)				92
TOTAL CONTRACT COST				1,932
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				106
TOTAL REQUEST				2,038
TOTAL REQUEST (ROUNDED)				2,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete floor slabs and foundation, reinforced concrete walls, roof system, and sealed doors. Area includes communications and announciator equipment room, ready room, weapons' and equipment rooms, offices, latrines, utility room, and covered drive. All utilities and support.

11. REQUIREMENT: 5,500 SF ADEQUATE: 0 SUBSTANDARD: 2,132 SF

PROJECT: Construct a semi-hardened Central Security Control (CSC) facility.

REQUIREMENT: Due to the F-16 mission conversion, the Central Security Control function must increase to accommodate the additional security operations requirements.

CURRENT SITUATION: The present CSC facility was constructed in 1965 and is totally inadequate in size and functional layout for current and projected demands. Overcrowded conditions do not allow adequate command and control of base security forces and impede the direct response to emergency and hostile events. Alarm monitor personnel are unable to properly supervise, operate, and react to sensor alarm panels. Additional sensor alarm systems and monitor stations required for the F-16 mission conversion, weapons storage, security systems and aircraft security upgrade will amplify these problems.

IMPACT IF NOT PROVIDED: Base ground defense forces will not be able to respond timely and effectively to hostile ground elements interfering with aircraft sortie generation. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE F-16-CENTRAL SECURITY CONTROL FACILITY		5. PROJECT NUMBER TYFR879028

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 03
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	30
(b)	All Other Design Costs	23
(c)	Total	53
(d)	Contract	30
(e)	In-house	23

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE F-16-ADD TO AND ALTER AEROSPACE SUPPORT EQUIPMENT (ASE) COMPLEX

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.71.33	218-712	TYFR879007	1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16-ADD TO AND ALTER AEROSPACE SUPPORT EQUIPMENT (ASE) COMPLEX	LS			1,172
ADD ACFT SPRT EQUIP SHOP/STOR	SF	8,300	70	(581)
ALT ACFT SPRT EQUIP SHOP/STRGE	SF	6,200	55	(341)
FUEL DISPENSING STN	LS			(200)
WASH RACK	LS			(45)
SUPPLIES & EQUIP SHED	SF	100	50	(5)
SUPPORTING FACILITIES				260
UTILITIES	LS			(90)
PAVEMENTS	LS			(70)
SITE IMPROVEMENTS	LS			(55)
COMMUNICATIONS SUPPORT	LS			(45)
SUBTOTAL				1,432
CONTINGENCY (5%)				72
TOTAL CONTRACT COST				1,504
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				83
TOTAL REQUEST				1,587
TOTAL REQUEST (ROUNDED)				1,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, structural frame, walls and roof. Provides storage, tool shop, work areas, mechanical room, administrative, training, toilets, washrack, and fuel dispensing station. Includes paving, fencing, utilities, fire protection, and all necessary support.

11. REQUIREMENT: 44,858 SF ADEQUATE: 18,499 SF SUBSTANDARD: 14,959 SF

PROJECT: Add to and alter Aerospace Support Equipment Complex (ASE).

REQUIREMENT: Adequate support equipment shops and storage facilities are required for the inspection, maintenance, repair and servicing of F-16 aerospace support equipment. The equipment must be available on short notice to be dispatched to aircraft parking aprons.

CURRENT SITUATION: Support equipment maintenance functions presently occupy facilities which were not designed for this function and preclude effective maintenance on assigned equipment. In addition, the southwest area of the base is currently only occupied during exercises. When this area is activated for the F-16 mission conversion, an Aerospace Support Equipment shop will be needed to accommodate the additional 125 pieces of powered equipment. Geographical separation of the three aircraft areas requires three different Aerospace Support Equipment shops to perform the assigned mission in a timely manner.

IMPACT IF NOT PROVIDED: The Aerospace Support Equipment shop maintenance function will continue to operate without the efficiency associated with modern facilities. This will have a direct, adverse effect on the F-16 mission. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE F-16-ADD TO AND ALTER AEROSPACE SUPPORT EQUIPMENT COMPLEX		5. PROJECT NUMBER TYFR879007

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
(a)	Date Design Started	85 MAR 13
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 24
(2)	Basis	
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	46
(b)	All Other Design Costs	64
(c)	Total	110
(d)	Contract	61
(e)	In-house	49
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE F-16-AIRCRAFT MAINTENANCE FACILITY

5. PROGRAM ELEMENT 2.71.33	6. CATEGORY CODE 211-152	7. PROJECT NUMBER TYFR879055	8. PROJECT COST ($000) 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
F-16-AIRCRAFT MAINTENANCE FACILITY	SF	10,000	77	770
SUPPORTING FACILITIES				300
UTILITIES	LS			(200)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(30)
COMMUNICATIONS	LS			(20)
SUBTOTAL				1,070
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,124
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				62
TOTAL REQUEST				1,186
TOTAL REQUEST (ROUNDED)				1,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION All work necessary to construct a pre-engineered concrete frame building with masonry walls, built-up roof, concrete floor slab and foundation. Includes all utilities and necessary support.

11. REQUIREMENT: 44,272 SF ADEQUATE: 16,601 SF SUBSTANDARD: 17,671 SF

PROJECT: Construct a general purpose aircraft maintenance facility.

REQUIREMENT: A new facility is required for aircraft maintenance personnel, equipment, and materials to support the F-16 mission conversion.

CURRENT SITUATION: The structural repair, welding and machine shops currently operate in inadequate facilities. The structural repair and welding shops lack the necessary controlled environment for sheet metal work. Aircraft engines and after burners awaiting repair consume over half the available work space. The bench stock and consolidated tool kits rooms are congested in both of these shops and the machine shop, located in another facility, does not provide the additional space required to support the F-16 mission conversion.

IMPACT IF NOT PROVIDED: Shops will be forced to continue under substandard conditions with resultant delays in achieving mission-ready status. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE F-16-AIRCRAFT MAINTENANCE FACILITY		5. PROJECT NUMBER TYFR879055

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 02
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUN 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	42
(b)	All Other Design Costs	31
(c)	Total	73
(d)	Contract	42
(e)	In-house	31

(4) Construction start 87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 PROJECT TITLE PROTECTED COMBAT TARGETING CENTER

5 PROGRAM ELEMENT 2.74.31 TIARA	6 CATEGORY CODE 141-745	7 PROJECT NUMBER TYFR86901200	8 PROJECT COST ($000) 36,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROTECTED COMBAT TARGETING CENTER	LS			15,573
SECURITY POLICE ENTRY CONTROL	SF	600	155	(93)
COMBAT TARGETING CENTER	SF	64,500	244	(15,480)
SUPPORTING FACILITIES				16,480
COMMUNICATIONS	LS			(205)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(1,000)
UTILITIES	LS			(2,870)
PAVEMENTS/SITE IMPROVEMENTS	LS			(845)
PROTECTED WATER SUPPLY	LS			(2,850)
EMP/TEMPEST SHIELDING	LS			(7,315)
HARDENED ENTRY/FREIGHT TUNNELS	LS			(1,395)
SUBTOTAL				32,053
CONTINGENCY (5%)				1,603
TOTAL CONTRACT COST				33,656
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				1,851
TOTAL REQUEST				35,507
TOTAL REQUEST (ROUNDED)				36,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings, floor slab, walls, and roof. Facility will be EMP hardened and have a seven day CB protected stand alone capability. The facility includes areas for photo laboratory, exploitation, supply/maintenance, communications, film library, briefing room, Combat Operations Intelligence Center (COIC) analysis/targeting and collection management, automatic data processing, Worldwide Military Command and Control System and utility support. Entry control point with connecting tunnels and all supporting utilities.

11. REQUIREMENT: 70,000 SF ADEQUATE: 4,900 SUBSTANDARD: 0

PROJECT: Construction of a consolidated, survivable, reconnaissance technical center.

REQUIREMENT: A survivable facility is required to house time-sensitive intelligence processing, exploitation, analysis, fusion, dissemination, collection, management and dynamic combat targeting functions in support of warfighting requirements. The existing COIC will be needed to house vital functions in support of the combat targeting center.

CURRENT SITUATION: Vital USAFE intelligence functions are widely separated from each other as well as from primary intelligence and wartime/peacetime consumers. The result is reduced capabilities, vulnerable communications links, and extensive operational delays in a field sensitive to the value of time. These problems are due primarily to a heavy and forced reliance on easily interdictable communications and courier routings. In addition, the 497 Reconnaissance Targeting Group is operating from extremely old, deteriorating buildings in an

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE PROTECTED COMBAT TARGETING CENTER		5. PROJECT NUMBER TYFR86901200

urban area. These require increasingly expensive measures to remain functional. Operations and maintenance costs are projected to increase more than 100% over the next five years.
IMPACT IF NOT PROVIDED: A survivable, consolidated reconnaissance technical center will not be available to support the USAFE mission. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE PROTECTED COMBAT TARGETING CENTER	5. PROJECT NUMBER TYFR86901200	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 11
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	95
(d) Date Design Complete	86 NOV 14

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	1919
(b) All Other Design Costs	925
(c) Total	2844
(d) Contract	1919
(e) In-house	925

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE SHOPS

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 214-425	7. PROJECT NUMBER TYPR879016	8. PROJECT COST ($000) 6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER VEHICLE MAINTENANCE SHOPS	LS			4,976
VEHICLE MAINTENANCE SHOP (A)	SF	6,000	72	(432)
VEHICLE MAINTENANCE SHOP (B)	SF	21,500	71	(1,526)
VEHICLE MAINTENANCE SHOP (C)	SF	8,700	72	(626)
ALTER VEHICLE MAINTENANCE SHOP (2404)	SF	48,200	38	(1,831)
STORAGE FACILITY (D)	SF	14,400	39	(561)
SUPPORTING FACILITIES				(410)
UTILITIES	LS			(195)
PAVEMENTS	LS			(80)
COMMUNICATIONS SUPPORT	LS			(70)
SITE IMPROVEMENT	LS			(65)
SUBTOTAL				5,386
CONTINGENCY (5%)				269
TOTAL CONTRACT COST				5,655
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				311
TOTAL REQUEST				5,966
TOTAL REQUEST (ROUNDED)				6,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete floor slab and foundations, structural frame, masonry walls, roof system, utilities, and necessary support. All structural, mechanical, and electrical work, and all necessary support.

11. REQUIREMENT: 96,083 SF ADEQUATE: 374 SF SUBSTANDARD: 68,857 SF

PROJECT: Add to and alter vehicle maintenance shops.

REQUIREMENT: Adequate facilities are needed to perform intermediate level maintenance on assigned vehicles. This includes vehicle inspection, painting, welding, body and engine repair and associated storage.

CURRENT SITUATION: The existing vehicle maintenance facilities were originally designed and constructed in the early fifties to accommodate 450-650 vehicles and now 1,500 vehicles are serviced in these facilities. Existing buildings are too small to house large vehicles, therefore, body maintenance and engine repair must be performed by a local contractor. Corrosion control and painting for small vehicles must be performed in substandard, unimproved, and unventilated areas.

IMPACT IN NOT PROVIDED: Existing deficiencies in space, environmental controls, and functional layout will continue to hamper repair of assigned vehicles which adversely affects the base mission and results in high vehicle maintenance costs. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE SHOPS		5. PROJECT NUMBER TYFR879016

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAR 20
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAY 25

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	187
(b) All Other Design Costs	108
(c) Total	295
(d) Contract	187
(e) In-house	108

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE -

3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE ADD TO AND ALTER NCO ACADEMY (KAPAUN)

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 171-815	7. PROJECT NUMBER TYFR879031	8. PROJECT COST ($000) 1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER NCO ACADEMY	SF	19,200	80	1,536
SUPPORTING FACILITIES				125
COMMUNICATIONS SUPPORT	LS			(60)
UTILITIES	LS			(45)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				1,661
CONTINGENCY (5%)				83
TOTAL CONTRACT COST				1,744
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				96
TOTAL REQUEST				1,840
TOTAL REQUEST (ROUNDED)				1,850

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, structural frame and roof system. Includes classrooms, offices, auditorium, latrines, and storage. All utilities, fire protection, and necessary support.

11. REQUIREMENT: 64,500 SF ADEQUATE: 0 SUBSTANDARD: 45,300 SF

PROJECT: Construct an addition to the NCO Academy at Kapaun Air Station.

REQUIREMENT: Facilities are required to conduct professional military education for the NCO corps to enhance their effectiveness as mid-level managers and instill the leadership principles vital to an effective fighting force.

CURRENT SITUATION: The USAFE NCO Academy operates in two dormitories. The facilities are not configured for teaching and severely limit the number of NCO's who can attend. Less than 15% of eligible NCO's in USAFE can be accommodated in existing facilities. They lack an auditorium and sufficient space for efficient classrooms. Modern visual aids and teaching techniques cannot be utilized. Large assemblies and classes are conducted in the chapel. Existing facilities will be converted back to dormitories to house the students attending the Academy.

IMPACT IF NOT PROVIDED: Failure to provide this project will deny the majority of qualified NCO's the training they need to manage a modern and increasingly complex military organization. They will be unable to enhance their leadership skills and provide the Air Force with the full benefit of their potential. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE ADD TO AND ALTER NCO ACADEMY (KAPAUN)		5. PROJECT NUMBER TYFR879031

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 APR 29
	(b)	Percent Complete as of January 1986	45
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 SEP 22
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	71
	(b)	All Other Design Costs	50
	(c)	Total	121
	(d)	Contract	71
	(e)	In-house	50
(4)	Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 PROJECT TITLE OUTDOOR PROCESSING/PALLET STORAGE AREA

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 452-258	7 PROJECT NUMBER TYFR866007	8 PROJECT COST ($000) 1,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OUTDOOR PROCESSING/PALLET STORAGE AREA	SY	19,100	50	955
SUPPORTING FACILITIES				245
EXTERIOR LIGHTING	LS			(70)
DEMOLITION	LS			(125)
FENCE	LS			(50)
SUBTOTAL				1,200
CONTINGENCIES (5%)				60
TOTAL CONTRACT COST				1,260
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				69
TOTAL REQUEST				1,329
TOTAL REQUEST (ROUNDED)				1,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of 19,100 SY paved area for outdoor storage east of MAC ramp. To include drainage, area lighting, fencing and entry gate.

11. REQUIREMENT: 67,700 SY ADEQUATE: 48,600 SY SUBSTANDARD: 0

PROJECT: Construct an outdoor pallet storage area.

REQUIREMENT: The area is required to marshal 40-foot trailers and for receiving, processing and short term storage or reshipment of cargo. During exercises and after high volume periods, area is required for overflow storage. Sufficient storage is also required to allow for routine pallet storage area due to an increase in past tonnage growth and for war readiness requirements. Two to five 40-foot trailers are routinely prepositioned in the area to receive pallets.

CURRENT SITUATION: The outdoor cargo processing area was built in 1975 to accommodate 30,000 tons of cargo per year and is inadequate to handle today's requirement of 50,000 tons per year. In addition, the facility was designed anticipating 85 percent of the cargo on pallets would not be broken down for processing. Today's operation has been completely reversed. Eighty-five percent of the cargo on pallets is broken down, reorganized and repalletized for reshipment, a process that requires much additional space. The increased tonnage along with the change in method of operation has resulted in a seriously overcrowded facility. This is exacerbated during recurring annual exercises when congestion makes operations very difficult, and would present similarly difficult operations in the event of contingencies or wartime.

IMPACT IF NOT PROVIDED: Operations will continue in overcrowded conditions and mission accomplishment will continue to be restricted.

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE OUTDOOR PROCESSING/PALLET STORAGE AREA		5. PROJECT NUMBER TYPR866007

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		85 JAN 28
(b) Percent Complete as of January 1986		45
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 MAR 01
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		26
(b) All Other Design Costs		50
(c) Total		76
(d) Contract		26
(e) In-house		50
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER TYFR86901500	8 PROJECT COST ($000) 2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (256 PN)	SF	49,800	46	2,290
SUPPORTING FACILITIES				200
COMMUNICATIONS	LS			(40)
UTILITIES	LS			(100)
SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				2,490
CONTINGENCY (10%)				249
TOTAL CONTRACT COST				2,739
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				151
TOTAL REQUEST				2,890
TOTAL REQUEST (ROUNDED)				2,900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Electrical, structural and mechanical work to include conversion of central hallways into semiprivate bathrooms and central latrines to bedrooms and construction of balconies. Increased noise attenuation and energy conservation features. Utilities, fire protection and all necessary support. GRADE MIX: 256 E1-E4.

11. REQUIREMENT: 4,386 PN ADEQUATE: 1,660 PN SUBSTANDARD: 2,005 PN

PROJECT: Alter two unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1952. They have inadequate lighting, poor insulation and sound attenuation, inadequate electrical and mechanical systems and central latrines. This project is part of a multi-phase program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER TYFR86901500

12. **SUPPLEMENTAL DATA:**

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 20
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUL 25

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	120
(b) All Other Design Costs	68
(c) Total	188
(d) Contract	120
(e) In-house	68

(4) Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7. PROJECT NUMBER TYFR879014	8. PROJECT COST ($000) 6,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (432 PN)	SF	82,000	57	4,674
SUPPORTING FACILITIES				990
UTILITIES	LS			550)
PAVEMENTS	LS			200)
SITE IMPROVEMENTS	LS			150)
COMMUNICATIONS	LS			90)
SUBTOTAL				5,664
CONTINGENCY (5%)				283
TOTAL CONTRACT COST				5,947
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				327
TOTAL REQUEST				6,274
TOTAL REQUEST (ROUNDED)				6,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation, masonry walls, fire protection, utilities and necessary support. Includes room-bath-room configuration. GRADE MIX: 432 E1-E4.

11. REQUIREMENT: 4,386 PN ADEQUATE: 1,660 PN SUBSTANDARD: 2,005 PN

PROJECT: Construct an unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on-base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited and expensive local rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity and career satisfaction. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER TYFR879014

12. **SUPPLEMENTAL DATA:**

a. **Estimated design data:**

(1)	Status:	
	(a) Date Design Started	84 JAN 20
	(b) Percent Complete as of January 1986	45
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 02
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e).	($000)
	(a) Production of Plans and Specifications	170
	(b) All Other Design Costs	165
	(c) Total	335
	(d) Contract	170
	(e) In-house	165
(4)	Construction start	87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 2.75.97	6. CATEGORY CODE 721-312	7. PROJECT NUMBER TYFR879032	8. PROJECT COST ($000) 3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (216 PN)	SF	41,000	59	2,419
SUPPORTING FACILITIES				310
UTILITIES	LS			(75)
PAVEMENTS	LS			(85)
COMMUNICATIONS	LS			(60)
SITE IMPROVEMENTS	LS			(90)
SUBTOTAL				2,729
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,865
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				158
TOTAL REQUEST				3,023
TOTAL REQUEST (ROUNDED)				3,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundations, masonry walls, fire protection, utilities and necessary support. Includes room-bath-room configuration, closets, lounges, centralized storage, laundry, support space and parking area. GRADE MIX: 216 E1-E4.

11. REQUIREMENT: 4,386 PN ADEQUATE: 1,660 PN SUBSTANDARD: 2,005 PN

PROJECT: Construct an unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on-base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited and expensive local rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity and career satisfaction. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER TYFR879032

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 03
	(b) Percent Complete as of January 1986	45
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 11
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	108
	(b) All Other Design Costs	89
	(c) Total	197
	(d) Contract	108
	(e) In-house	89
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 PROJECT TITLE VISITING OFFICERS QUARTERS (VOQ)

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 724-417	7 PROJECT NUMBER TYFR869007	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VISITING OFFICERS QUARTERS (VOQ) (80 PN)	SF	36,700	61	2,238
SUPPORTING FACILITIES				485
UTILITIES	LS			(245)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(65)
COMMUNICATIONS	LS			(65)
SUBTOTAL				2,723
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,859
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				157
TOTAL REQUEST				3,016
TOTAL REQUEST (ROUNDED)				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation and masonry walls. Functional areas include bedrooms, baths, closets, centralized storage, laundry rooms and support space. All utilities, parking area and necessary support. Grade Mix: 80 O1-O2

11. REQUIREMENT: 1,902 PN ADEQUATE: 427 PN SUBSTANDARD: 226 PN

PROJECT: Construct a visiting officers quarters.

REQUIREMENT: Adequate living quarters to properly accommodate the number of officers and officer grade civilian personnel that serve temporary duty (TDY) at Ramstein Air Base. A high TDY rate exists due to the combined effects of normal visits to the base, visits to HQ USAFE, visits by various airlift squadrons, deployment exercises, conferences and visits by inspection, training and staff assistance teams.

CURRENT SITUATION: Housing of transient personnel is critical. The current shortage of visiting officer quarter spaces dictates that, in many cases, two people must occupy the same substandard room or stay in expensive off-base hotels. The former alternative adversely affects the morale of important visiting officials, the latter results in increased billeting and transportation costs; both affect overall job performance.

IMPACT IF NOT PROVIDED: Transient officers and officer grade civilian personnel will continue to be housed in inadequate on-base quarters or will be forced to stay in expensive off-base hotels. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE VISITING OFFICER QUARTERS		5. PROJECT NUMBER TYFR86900700

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a) Date Design Started		84 JUL 24
(b) Percent Complete as of January 1986		45
(c) Percent Complete as of October 1986		100
(d) Date Design Complete		86 JUN 15
(2) Basis		
(a) Standard or Definitive Design -	Yes	No X
(b) Where Design Was Most Recently Used - N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a) Production of Plans and Specifications		78
(b) All Other Design Costs		113
(c) Total		191
(d) Contract		106
(e) In-house		85
(4) Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY	4 PROJECT TITLE WATER STORAGE TANK

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 841-427	7 PROJECT NUMBER TYFR86900800	8 PROJECT COST ($000) 2,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER STORAGE TANK	EA	2	964,000	1,928
SUPPORTING FACILITIES				405
TREATMENT SYSTEM	LS			(220)
SITE IMPROVEMENTS	LS			(145)
PAVEMENTS	LS			(30)
UTILITIES	LS			(10)
SUBTOTAL				2,333
CONTINGENCY (5%)				117
TOTAL CONTRACT COST				2,450
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				135
TOTAL REQUEST				2,585
TOTAL REQUEST (ROUNDED)				2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION A 1,200 SF reinforced concrete addition to Building 2206 to house an activated carbon treatment system. Two cavity water storage tanks, 720 KG each with a 6" concrete floor slab, all utilities and support including replacement of existing water pumps.

11. REQUIREMENT: 1,740 KG ADEQUATE: 300 KG SUBSTANDARD: 0

PROJECT: Construct water storage tanks.

REQUIREMENTS: A potable water supply and distribution system must provide for domestic consumption and industrial requirements as well as fire fighting capability. The total water storage requirement for domestic daily demand as well as for fire fighting purposes is 1,740 KG. Applicable fire codes direct that the water supply must be adequate to yield 3,000 GPM for four hours at the fire hydrants in the vicinity of the two largest warehouses. The required yield is gained by providing additional storage capacity.

CURRENT SITUATION: The capacity of the existing water storage facilities is insufficient to meet increased requirements. New facilities equipped with deluge systems, newly installed sprinkler systems in existing facilities and engine test cells, all require large quantities of water to be instantly available. Current maximum yield of base fire hydrants is far too low to effectively fight a fire.

IMPACT IF NOT PROVIDED: Lack of adequate water storage during peak fire demands could result in loss of lives and property. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE WATER STORAGE TANK		5. PROJECT NUMBER TYFR86900800

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	84 MAY 03
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 SEP 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	34
	(b) All Other Design Costs	55
	(c) Total	89
	(d) Contract	51
	(e) In-house	38
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION SAN VITO AIR STATION, ITALY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.19

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	76	1,317	44	0	0	0	4	91	0	1,532
b. END FY 1991	76	1,314	51	0	0	0	4	91	0	1,536

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (359)	
b INVENTORY TOTAL AS OF 30 Sept 85	37,678
c AUTHORIZATION NOT YET IN INVENTORY	1,100
d AUTHORIZATION REQUESTED IN THIS PROGRAM	6,240
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f PLANNED IN NEXT THREE PROGRAM YEARS	4,570
g REMAINING DEFICIENCY	4,000
h GRAND TOTAL	53,588

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	COMPLETE
442-515	Second Echelon Medical Logistics Storage Facility	8,200 SF	490	May 85	Sep 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	276 PN	3,300	May 85	Jul 86
724-417	Visiting Officer Quarters	46 PN	2,450	May 85	Jul 86
	Total		6,240		

9. Future Projects: (a) Included in following program (FY 88): None
(b) Typical planned next three years:

721-312	Alter Unaccompanied Enlisted Personnel Housing	320 PN	3,600
740-000	Family Support Center	2,000 SF	220
740-669	MWR Complex	9,792 SF	750

10. Mission or Major Functions: This base is a major communications site. The base hosts an Electronic Security Group headquarters which provides management, command, control and direction for Electronic Security Command assigned units.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

DD FORM 1 DEC 76 1390

1 COMPONENT		2 DATE
AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
SAN VITO AIR STATION, ITALY	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	721-312	UUUY879002	3,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (276 PN)	SF	56,500	48	2,712
SUPPORTING FACILITIES				285
COMMUNICATIONS SUPPORT	LS			(100)
UTILITIES	LS			(100)
SITE IMPROVEMENTS	LS			(60)
PAVEMENTS	LS			(25)
SUBTOTAL				2,997
CONTINGENCY (5%)				150
TOTAL CONTRACT COST				3,147
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				173
TOTAL REQUEST				3,320
TOTAL REQUEST (ROUNDED)				3,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Electrical, structural and mechanical work to include conversion of central hallways to semiprivate baths and central latrines to bedrooms; exterior balconies, laundry, centralized storage, and support. All utilities and support.

GRADE MIX: 276 E1-E4.

11. REQUIREMENT: 916 PN ADEQUATE: 0 PN SUBSTANDARD: 598 PN

PROJECT: Alter three unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs that personnel must perform. The lack of such quarters is an irritant to these personnel and known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in the early 1960s. They have inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. Project is not NATO eligible.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SAN VITO AIR STATION, ITALY		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER UUUY879002

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 28
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 05

(2) Basis
   (a) Standard or Definitive Design - Yes No X
   (b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	178
(b)	All Other Design Costs	36
(c)	Total	214
(d)	Contract	191
(e)	In-house	23

(4) Construction start 86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SAN VITO AIR STATION, ITALY	4 PROJECT TITLE VISITING OFFICER QUARTERS

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 724-417	7 PROJECT NUMBER UUUY879001	8 PROJECT COST ($000) 2,450

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VISITING OFFICER QUARTERS (46 PN)	SF	25,100	67	1,681
SUPPORTING FACILITIES				525
UTILITIES	LS			(310)
PAVEMENTS	LS			(90)
SITE IMPROVEMENTS	LS			(75)
COMMUNICATIONS SUPPORT	LS			(50)
SUBTOTAL				2,206
CONTINGENCY (5%)				110
TOTAL CONTRACT COST				2,316
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				127
TOTAL REQUEST				2,443
TOTAL REQUEST (ROUNDED)				2,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete foundation, floors, roof, and masonry walls. Areas include bedrooms, baths, centralized storage, laundry, and other support space. All utilities and necessary support.

Grade Mix: 30 01-02, 16 03-010. Air conditioning - 80 tons.

11. REQUIREMENT: 46 PN ADEQUATE: 0 PN SUBSTANDARD: 19 PN

PROJECT: Construct visiting and unaccompanied officer personnel housing.

REQUIREMENT: Adequate living quarters are required to properly accommodate the number of permanent party and transient officers at San Vito Air Station.

CURRENT SITUATION: Currently, there are only 13 visiting officer quarter spaces and 6 unaccompanied officer personnel housing spaces available, of which none are adequate. Personnel must now be billeted in hotels or leased housing off-base in San Vito or Brindisi, which are seven to eight miles from the base and have no commercial bus service. The existing facilities will be reconfigured and upgraded to visiting airmen quarters.

IMPACT IF NOT PROVIDED: Transient officers will continue to be housed in inadequate quarters and will be forced to stay in inadequate, expensive off-base hotels. This practice adversely affects the morale of these officers, while increasing billeting and transportation costs. Both affect overall job performance and degrade mission readiness. With few exceptions, permanent party officers have to find off base quarters and contend with the high crime rate prevalent in this area. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SAN VITO AIR STATION, ITALY		
4. PROJECT TITLE VISITING OFFICER QUARTERS		5. PROJECT NUMBER UUUY879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 MAY 28
(b)	Percent Complete as of January 1986	40
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUL 05

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	170
(b)	All Other Design Costs	43
(c)	Total	213
(d)	Contract	184
(e)	In-house	29

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SEMBACH AIR BASE, GERMANY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	309	2425	134	0	0	0	27	207	0	3102
b. END FY 19 91	369	2840	146	0	0	0	27	207	0	3589

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,205)	
b. INVENTORY TOTAL AS OF 30 Sept 85	44,448
c. AUTHORIZATION NOT YET IN INVENTORY	6,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,650
f. PLANNED IN NEXT THREE PROGRAM YEARS	8,934
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	75,892

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214-425	Vehicle Maintenance Facility	9,700 SF	1,050	Jul 83	Mar 85
721-312	Alter Unaccompanied Enlisted Personnel Housing	496 PN	4,900	May 85	Apr 86
721-312	Unaccompanied Enlisted Personnel Housing	96 PN	1,450	Apr 85	Apr 86
	Total		7,400		

9. Future Projects: (a) Included in Following Program (FY 88):

214-000	WRM Vehicle Storage	24,000 SF	1,600
721-312	Alter Unaccompanied Enlisted Personnel Housing	392 PN	4,800
842-245	Upgrade Water Distribution	LS	2,250
	Total		8,650

(b) Typical Planned Next Three Years:

111-111	Alternate Launch and Recovery Surface	89,400 SY	4,000
442-758	Warehouse	40,000 SF	2,354

10. Mission or Major Functions: This base is the home of a numbered Air Force headquarters which provides management, command, control and direction for USAFE units located in Federal Republic of Germany; an Electronic Combat Air Division; a Tactical Control Wing; an Electronic Combat Wing; and is a forward operating location for rotational A-10 tactical aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION SEMBACH AIR BASE, GERMANY		4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY	
5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 214-425	7 PROJECT NUMBER VGWU869003	8 PROJECT COST ($000) 1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VEHICLE MAINTENANCE FACILITY	SF	9,700	77	746
SUPPORTING FACILITIES				185
UTILITIES	LS			(90)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(30)
COMMUNICATIONS	LS			(15)
SUBTOTAL				931
CONTINGENCY (5%)				47
TOTAL CONTRACT COST				978
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				54
TOTAL REQUEST				1,032
TOTAL REQUEST (ROUNDED)				1,050

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, structural steel frame, pitched roof, vehicle hoist, overhead lubrication system, compressed air, all utilities and necessary support. Area includes tire maintenance, battery shop, bench stock, toilets, administrative area, wash rack utility room and maintenance bays.

11. REQUIREMENT: 50,900 SF ADEQUATE: 16,700 SF SUBSTANDARD: 24,500 SF

PROJECT: Construct a vehicle maintenance facility.

REQUIREMENT: Provide adequate facilities to maintain all assigned vehicles in a timely manner. This facility is required for lubrication, inspection, general repair, replacement of major assemblies, testing, cleaning and tire maintenance.

CURRENT SITUATION: Lack of adequate work space results in inefficiency and loss of productivity and excessive turnaround time for vehicle maintenance. Personnel must routinely work outside to support increased demand. They currently perform complete maintenance on 782 vehicles assigned to the base and perform major repairs on 564 vehicles assigned to other sites under the base's responsibility. There is not sufficient space to properly perform vehicle maintenance with existing assets.

IMPACT IF NOT PROVIDED: Continued unproductive time due to insufficient work space and material/part storage area. This results in poor service and decreased morale among vehicle maintenance personnel and customers. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SEMBACH AIR BASE, GERMANY		
4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY		5. PROJECT NUMBER VGWU869003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
	(a) Date Design Started	83 JUL 27
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 MAR 01
(2) Basis		
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a) Production of Plans and Specifications	21
	(b) All Other Design Costs	22
	(c) Total	43
	(d) Contract	21
	(e) In-house	22
(4) Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION SEMBACH AIR BASE, GERMANY	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER VGWU879005	8. PROJECT COST ($000) 4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (496 PN)	SF	101,500	39	3,958
SUPPORTING FACILITIES				260
COMMUNICATIONS SUPPORT	LS			(100)
UTILITIES	LS			(100)
SITE IMPROVEMENTS	LS			(60)
SUBTOTAL				4,218
CONTINGENCY (10%)				415
TOTAL CONTRACT COST				4,640
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				255
TOTAL REQUEST				4,895
TOTAL REQUEST (ROUNDED)				4,900

10. DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical work to convert administrative space to dormitory space with room-bath-room configuration. Central hallways will become semiprivate bathrooms and external balconies will be added for access to rooms. Improve sound attenuation, energy conservation and all other support. GRADE MIX: 416 E1-E4, 80 E5-E6.

11. REQUIREMENT: 1,544 PN ADEQUATE: 512 PN SUBSTANDARD: 839 PN

PROJECT: Alter two unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1953. They have inadequate lighting, poor insulation and sound attenuation, inadequate electrical and mechanical systems and central latrines. Portions of the facilities are being used for administrative space and will be converted back to dormitories. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming needs of the base.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SEMBACH AIR BASE, GERMANY		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER VGWU879005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 MAY 08
(b) Percent Complete as of January 1986	40
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 03

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	130
(b) All Other Design Costs	100
(c) Total	230
(d) Contract	130
(e) In-house	100

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SEMBACH AIR BASE, GERMANY	4 PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 721-312	7 PROJECT NUMBER VGWU889006	8 PROJECT COST ($000) 1,450

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (96 PN)	SF	18,200	56	1,019
SUPPORTING FACILITIES				295
UTILITIES	LS			(190)
PAVEMENTS	LS			(40)
COMMUNICATIONS	LS			(40)
SITE IMPROVEMENTS	LS			(25)
SUBTOTAL				1,314
CONTINGENCY (5%)				66
TOTAL CONTRACT COST				1,380
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				76
TOTAL REQUEST				1,456
TOTAL REQUEST (ROUNDED)				1,450

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete building with concrete floors and roof, concrete foundation, masonry walls, fire protection, utilities and necessary support. Includes room-bath-room configuration, closets, lounges, centralized storage, laundry and support space. GRADE MIX: 96 E1-E4

11. REQUIREMENT: 1,544 PN ADEQUATE: 0 SUBSTANDARD: 1,231 PN

PROJECT: Construct an unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on-base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited and expensive local rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity and career satisfaction. This project in not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SEMBACH AIR BASE, GERMANY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER VGWU889006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
(a)	Date Design Started	85 APR 03
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 APR 03
(2)	Basis	
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	50
(b)	All Other Design Costs	40
(c)	Total	90
(d)	Contract	50
(e)	In-house	40
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 [illegible] 1.07

6 PERSONNEL STRENGTH	PERMANENT			[illegible]			[illegible]			[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
a. AS OF 30 Sept 85	381	3612	46	0	0	0	53	523	7	4,622
b. END FY 19 91	361	2857	53	0	0	0	53	523	7	3,854

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,353)	
b INVENTORY TOTAL AS OF 30 Sept 85	45,952
c AUTHORIZATION NOT YET IN INVENTORY	12,760
d AUTHORIZATION REQUESTED IN THIS PROGRAM	10,960
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	18,126
f PLANNED IN NEXT THREE PROGRAM YEARS	19,796
g REMAINING DEFICIENCY	25,000
h GRAND TOTAL	132,594

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	[illegible]	[illegible]	COST $000	DESIGN STATUS START	[illegible]
141-753	CW Protection-Squadron Operations	5,200 SF	1,700	Jun 85	Jul 86
171-618	Field Training Facility	19,500 SF	1,600*	Aug 83	Nov 85
214-425	Vehicle Maintenance Facility	21,700 SF	2,350	Sep 83	Apr 86
422-264	Ground Defense Munitions Storage Igloos	2 EA	560	Jun 85	Aug 86
721-312	Alter Accompanied Enlisted Personal Housing	360 PN	3,700	May 85	May 86
730-443	Post Office	10,900 SF	1,050	Mar 84	May 86
	Total Appropriation Request		10,960		
	Total Authorization Request		9,360		
	Carry-over Authorization in FY 86		1,600*		

9. Future Projects: (a) Included in Following Program (FY 88):

130-835	Security Police Operations Facility	9,500 SF	950
171-476	Combat Arms Training Facility	1,800 SF	470
422-000	Weapons Storage Vaults	2 EA	406
422-264	Munitions Storage Igloos	8 EA	1,750
610-000	Consolidated Support Facility	88,200 SF	6,100
721-312	Alter Unaccompanied Enlisted Personnel Housing	360 PN	4,500
721-312	Unaccompanied Enlisted Personnel Housing	216 PN	3,450
812-000	Security Lighting	LS	500
			18,126

10. Mission or Major Functions: This base hosts a tactical fighter wing, which is responsible for management, command, control and direction for three tactical fighter squadrons operating F-4 aircraft in support of contingency and war plans.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

11. Outstanding pollution and safety (OSH) deficiencies:
   a. Air pollution: 0
   b. Water pollution: 9,310
   c. Occupational safety and health: 0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4. PROJECT TITLE CW PROTECTION-SQUADRON OPERATIONS

5. PROGRAM ELEMENT 2.75.93	6. CATEGORY CODE 141-753	7. PROJECT NUMBER VYHP879014	8. PROJECT COST ($000) 1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CW PROTECTION-SQUADRON OPERATIONS	SF	5,200	270	1,404
SUPPORTING FACILITIES				110
SITE IMPROVEMENTS	LS			(40)
UTILITIES	LS			(30)
PAVEMENTS	LS			(25)
COMMUNICATIONS	LS			(15)
SUBTOTAL				1,514
CONTINGENCY (5%)				76
TOTAL CONTRACT COST				1,590
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				87
TOTAL REQUEST				1,677
TOTAL REQUEST (ROUNDED)				1,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slabs, masonry walls, structural steel frame, second roof system. Provide air filtration systems, contamination control areas and chem/bio equipment storage areas. Includes chem/bio duct work and valves, airlocks, showers, processing rooms, door interlock system, cabinets, benches, intercom system, control panels, blast doors and valves for two chemical warfare cells. Utilities and necessary support.

11. REQUIREMENT: 7,800 SF ADEQUATE: 2,600 SF SUBSTANDARD: 0

PROJECT: Construct two chemical warfare cells for two existing semi-hardened squadron operations facilities.

REQUIREMENT: In a European war scenario, the threat of a chemical attack is highly likely. NATO Criteria and Standards for Tactical and Transport Airfields (6th edition), states Nuclear Biological Chemical Measures must be provided nationally. Processing cells will serve as decontamination chambers and will provide an area to decontaminate personnel prior to entering the main facility.

CURRENT SITUATION: NATO provides semi-hardened operations facilities for functions which must be performed on a continual basis during wartime and are critical to sortie generation. The functions performed in these facilities cannot be performed in a chemical protective suit while wearing a gas mask. NATO will construct a semi-hardened operational facility reducing the threat from conventional attack, but NATO criteria excludes by agreement CW protective measures. Existing facilities will not provide adequate personnel protection during a confrontation.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE CW PROTECTION-SQUADRON OPERATIONS		5. PROJECT NUMBER VYHP879014

IMPACT IF NOT PROVIDED: Survival of aircrews, avionics maintenance, photo interpretation, and other essential operations personnel will be severely jeopardized in the event of a chemical attack, since the approved NATO operational facility will be without CW protection. This project is not NATO eligible.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE CW PROTECTION-SQUADRON OPERATIONS		5. PROJECT NUMBER VYHP879014

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 JUN 05
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 22
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	57
	(b) All Other Design Costs	64
	(c) Total	121
	(d) Contract	67
	(e) In-house	54
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4 PROJECT TITLE FIELD TRAINING FACILITY

5 PROGRAM ELEMENT 2.75.97	6 CATEGORY CODE 171-618	7 PROJECT NUMBER VYHF86900700	8 PROJECT COST ($000) 1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD TRAINING FACILITY	SF	19,500	59	1,150
SUPPORTING FACILITIES				300
UTILITIES	LS			(75)
SITE IMPROVEMENT	LS			(125)
PAVEMENT	LS			(100)
SUBTOTAL				1,450
CONTINGENCY (5%)				73
TOTAL CONTRACT COST				1,523
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				84
TOTAL REQUEST				1,607
TOTAL REQUEST (ROUNDED)				1,600

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, steel frame with built-up roof. Area includes: training support and mobile training sets (MTS). Motor generator sets are required for 50 Hz to 60 Hz conversion. All utilities and necessary support.

11. REQUIREMENT: 19,500 SF ADEQUATE: 0 SUBSTANDARD: 6,800 SF

PROJECT: Construct a field training facility.

REQUIREMENT: A consolidated field training facility to accomplish aircraft maintenance and equipment training for the F-4 aircraft maintenance personnel.

CURRENT SITUATION: There are 17 instructors currently teaching 13 different maintenance specialties in 14 classrooms in seven different locations. This affects both the efficiency and effectiveness of the training received. Many maintenance trainers, simulators and mock-ups are either not used or not operational due to lack of adequate space. Many classrooms are located in a high noise environment, i.e., a small corner of a maintenance hangar. Training of students has been adversely affected. There currently is a backlog of required training. The separation of the functions, up to 2.5 miles, affects the training continuity and results in excessive transportation requirements. Existing facilities will revert to aircraft maintenance

IMPACT IF NOT PROVIDED: Proper maintenance training will continue to be degraded to the point where it will impact on the flying mission. This FTD facility is the only one for F-4s in USAFE. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE FIELD TRAINING FACILITY		5. PROJECT NUMBER VYHF86900700

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 AUG 30
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 NOV 15

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	147
(b) All Other Design Costs	78
(c) Total	225
(d) Contract	147
(e) In-house	78

(4) Construction start 86 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY

5. PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 214-425	7. PROJECT NUMBER VYHF86901400	8. PROJECT COST ($000) 2,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VEHICLE MAINTENANCE FACILITY	SF	21,700	70	1,519
SUPPORTING FACILITIES				600
PAVEMENTS	LS			(290)
SITE IMPROVEMENTS	LS			(165)
UTILITIES	LS			(100)
COMMUNICATIONS	LS			(45)
SUBTOTAL				2,119
CONTINGENCY (5%)				106
TOTAL CONTRACT COST				2,225
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				122
TOTAL REQUEST				2,347
TOTAL REQUEST (ROUNDED)				2,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Masonry walls, concrete foundations and floor slab, structural steel framing and roof system, fire protection, all utilities and necessary support.

11. REQUIREMENT: 52,500 SF ADEQUATE: 30,800 SF SUBSTANDARD: 3,200 SF

PROJECT: Construct a vehicle maintenance facility.

REQUIREMENT: Adequate space to maintain all vehicles assigned to the base in a timely manner. This facility is required for lubrication, inspection, general repair, replacement of major assemblies, testing, cleaning and tire maintenance.

CURRENT SITUATION: The present facility is too small to accommodate the recent influx of newly authorized vehicles. Fifteen additional mechanics have been authorized and several are now on board. The additional manpower and vehicles have overcrowded the existing facility. Required maintenance is now performed outside often in inclement weather posing both safety problems and unsatisfactory vehicle turnaround rates. The condition will worsen as more mechanics arrive along with the full authorization of vehicles.

IMPACT IF NOT PROVIDED: Continued overcrowding and reliance on outdoor maintenance will limit the ability of personnel to repair and maintain the vehicle fleet at a state of readiness sufficient to meet the mission. Project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY		5. PROJECT NUMBER VYHF86901400

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 SEP 15
(b) Percent Complete as of January 1986	65
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 APR 01
(2) Basis	
(a) Standard or Definitive Design - Yes	No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	157
(b) All Other Design Costs	63
(c) Total	220
(d) Contract	157
(e) In-house	63
(4) Construction start	86 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
2.75.96	721-312	VYHF879007	3,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (360 PN)	SF	83,000	35	2,905
SUPPORTING FACILITIES				270
UTILITIES	LS			(130)
SITE IMPROVEMENTS	LS			(75)
COMMUNICATIONS	LS			(65)
SUBTOTAL				3,175
CONTINGENCY (10%)				318
TOTAL CONTRACT COST				3,493
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				192
TOTAL REQUEST				3,685
TOTAL REQUEST (ROUNDED)				3,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, structural and mechanical work to include conversion of central hallways into semiprivate bathrooms and central latrines to bedrooms and construction of balconies. Improve noise attenuation, energy conservation and all other support. Convert bottom floor of one dorm from administrative space. GRADE MIX: 360 E1-E4

11. REQUIREMENT: 1,608 PN ADEQUATE: 758 PN SUBSTANDARD: 730 PN

PROJECT: Alter three unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs that personnel must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1953. They have inadequate lighting, poor insulation and sound attenuation, inadequate electrical and mechanical systems and central latrines. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full needs of the base.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER VYHF879007

12. **SUPPLEMENTAL DATA:**

a. **Estimated design data:**

(1)	Status:	
	(a) Date Design Started	85 MAY 12
	(b) Percent Complete as of January 1986	45
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 MAY 15
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	115
	(b) All Other Design Costs	90
	(c) Total	205
	(d) Contract	115
	(e) In-house	90
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4 PROJECT TITLE POST OFFICE

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 730-443	7 PROJECT NUMBER VYHF86900500	8 PROJECT COST ($000) 1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POST OFFICE	SF	10,900	67	730
SUPPORTING FACILITIES				220
UTILITIES	LS			(135)
COMMUNICATIONS	LS			(35)
PAVEMENTS	LS			(35)
SITE IMPROVEMENTS	LS			(15)
SUBTOTAL				950
CONTINGENCY (5%)				48
TOTAL CONTRACT COST				998
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				55
TOTAL REQUEST				1,053
TOTAL REQUEST (ROUNDED)				1,050

10. DESCRIPTION OF PROPOSED CONSTRUCTION Pre-engineered metal building, concrete floor slab and foundation with built-up roof. Area includes mail delivery dock, lock box area, mail processing space, package holding and support administrative space. All utilities and necessary support.

11. REQUIREMENT: 10,900 SF ADEQUATE: 0 SUBSTANDARD: 6,100 SF

PROJECT: Construct a post office.

REQUIREMENT: A central post office must be provided for the receipt of personal mail. This facility also serves specialized functions such as postal directory, non-resident school dorms, the USAF Hospital and self-service lock boxes for assigned military and DOD personnel.

CURRENT SITUATION: The existing facility is located on the ground floor of an unaccompanied enlisted personnel housing unit which displaces 24 enlisted personnel. The use of this area as a post office results in overcrowding, long waiting lines, inadequate security, disruption to dormitory occupants and a lack of postal storage space.

IMPACT IF NOT PROVIDED: Continued use of a dormitory to house the post office will have double impact on base personnel: inefficient and overcrowded postal functions and displaced personnel from much needed dormitory space. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE POST OFFICE		5. PROJECT NUMBER VYHF86900500

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
(a)	Date Design Started	84 MAR 24
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 MAY 01
(2)	Basis	
(a)	Standard or Definitive Design - Yes	No X
(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a)	Production of Plans and Specifications	65
(b)	All Other Design Costs	42
(c)	Total	107
(d)	Contract	65
(e)	In-house	42
(4)	Construction start	86 SEP

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION TORREJON AIR BASE, SPAIN	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.53

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	428	3,583	179	0	0	0	38	27	22	4,277
b. END FY 19 91	433	3,608	185	0	0	0	38	27	22	4,313

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,682)	
b. INVENTORY TOTAL AS OF 30 Sept 84	104,774
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,450
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,300
f. PLANNED IN NEXT THREE PROGRAM YEARS	57,398
g. REMAINING DEFICIENCY	9,250
h. GRAND TOTAL	174,172

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-132	SATCOM Ground Terminal	4,800 SF	1,450	May 85	Jun 86

9. Future Projects: (a) Included in Following Program (FY 88):

141-165	Explosive Ordnance Disposal	4,800 SF	980
800-000	ECIP-Steam & Condensate System	LS	320
		Total	1,300

(b) Typical planned next three years:

141-782	Air Freight Terminal	75,000 SF	5,743
510-001	Add to and Alter Composite Medical Facility	LS	26,800
831-165	Sewage Plant Addition	1,200 KG	7,500

10. Mission or Major Functions: This base hosts a numbered Air Force headquarters which provides management, command, control and direction for USAFE units located in Southern Europe, a tactical fighter win headquarters which provides management, command, control and direction for USAFE units at Torrejon Air Base and three tactical fighter squadrons operating F-16 aircraft in support of contingency and war plans.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	7500
c. Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION TORREJON AIR BASE, SPAIN	4 PROJECT TITLE SATELLITE COMMUNICATIONS GROUND TERMINAL

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
3.36.05	131-132	XBGX870703	1,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SATELLITE COMMUNICATIONS GROUND TERMINAL	SF	4,800	195	936
SUPPORTING FACILITIES				375
UTILITIES	LS			(170)
SITE IMPROVEMENTS	LS			(80)
PAVEMENTS	LS			(20)
SECURITY LIGHTING & FENCING				(50)
FIRE PROTECTION				(55)
SUBTOTAL				1,311
CONTINGENCY (5%)				66
TOTAL CONTRACT COST				1,377
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				76
TOTAL REQUEST				1,453
TOTAL REQUEST (ROUNDED)				1,450
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				7,329

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete footings, slab on grade, built-up roof and masonry wall system, antenna foundations, waveguide trench, fire protection systems, utilities, communications ducts and necessary support. Air Conditioning - 20 Tons.

11. REQUIREMENT: 4,800 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construction of a satellite communications ground terminal.

REQUIREMENT: Properly sized and configured facilities are required to house a Defense Satellite Communications System (DSCS) ground terminal. The DSCS provides long distance communications with a Jam Resistant Secure Communications (JRSC) system to support critical command, control, intelligence and warning activities and special users such as the President. This terminal will be an essential link in the Military Airlift Command's command and control system, providing connectivity with the National Command Authorities. It will handle traffic in both voice and data modes.

CURRENT SITUATION: Currently, there is no DSCS terminal for this site. Existing long distance communication links are now routed through land links with limited capacity to distant satellite ground terminals. These circuits do not provide essential jam resistant features. Equipment to upgrade the communication lines and switching. It will be delivered in Aug 1985 and will be operated from a van until this facility is complete. A new DSCS ground terminal will provide a communications circuit with adequate capacity to support Air Force requirements.

IMPACT IF NOT PROVIDED: The Air Force will not be able to install new equipment to be delivered to provide an essential upgrade of the DSCS capabilities.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

TORREJON AIR BASE, SPAIN

4. PROJECT TITLE SATELLITE COMMUNICATIONS GROUND TERMINAL	5. PROJECT NUMBER XBGX870703

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAY 17
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 16
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	132
	(b) All Other Design Costs	0
	(c) Total	132
	(d) Contract	117
	(e) In-house	15
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Ground Satellite Terminal-52 with Antenna	(Provided by Army)		6,787
Solid State Power Supply	3080	86	266
Batteries with Racks	3080	86	92
Switchgear, H-Rack	3080	86	184

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION RAF UPPER HEYFORD, UNITED KINGDOM	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 0.97

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	449	4,083	136	0	0	0	1	1	0	4,670
b. END FY 19 91	457	4,258	147	0	0	0	1	1	0	4,864

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (2,098)	
b. INVENTORY TOTAL AS OF 30 Sept 85	82,441
c. AUTHORIZATION NOT YET IN INVENTORY	3,440
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	14,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,030
f. PLANNED IN NEXT THREE PROGRAM YEARS	36,193
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	151,104

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131-118	Digital European Backbone Facility	3,700 SF	1,200	Jun 85	Aug 86
214-425	Add to and Alter Vehicle Maintenance Shop	19,800 SF	2,300	Jan 85	Jul 86
721-312	Alter Unaccompanied Enlisted Personnel Housing	220 PN	4,500	Mar 85	Jun 86
721-312	Unaccompanied Enlisted Personnel Housing	188 PN	6,000	Jan 85	Jul 86
	Total		14,000		

9. Future Projects: Included in Following Program (FY 88):

141-700	CW-Protection-Squadron Operations	2,600 SF	1,060
141-700	CW-Protection-Squadron Operations	2,600 SF	1,060
411-135	Hydrant Refueling System	LS	6,355
610-000	Consolidated Support Center	55,300 SF	4,700
724-415	Unaccompanied Officer Personnel Housing	40 PN	1,400
812-000	Security Lighting	LS	455
	Total		15,030

10. Mission or Major Functions: This base hosts a tactical fighter wing which is responsible for management, command, control and direction for USAFE units located at RAF Upper Heyford and three tactical fighter squadrons (F-111E) and supports one EF-111 squadron in support of contingency and war plans.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF UPPER HEYFORD, UNITED KINGDOM	4 PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY

5 PROGRAM ELEMENT 3.31.26	6 CATEGORY CODE 131-118	7 PROJECT NUMBER ESDS870008	8 PROJECT COST ($000) 1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DIGITAL EUROPEAN BACKBONE FACILITY	SF	3,700	210	777
SUPPORTING FACILITIES				320
UTILITIES	LS			(260)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(15)
COMMUNICATIONS SUPPORT	LS			(5)
SUBTOTAL				1,097
CONTINGENCY (5%)				55
TOTAL CONTRACT COST				1,152
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				29
TOTAL REQUEST				1,181
TOTAL REQUEST (ROUNDED)				1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				(834)

10 DESCRIPTION OF PROPOSED CONSTRUCTION Semi-hardened reinforced concrete foundation, floor slab, walls, roof; emergency generator, utilities and necessary site support. Includes technical and administrative areas. Air Conditioning - 5 Tons.

11. REQUIREMENT: 3,700 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Construct a facility to house Digital European Backbone (DEB) communications equipment.

REQUIREMENT: DEB is a microwave relay system used as the primary defense communications for the US Forces in Europe. It furnishes rapid and reliable service capable of secure and non-secure communications in both voice and data modes.

CURRENT SITUATION: The current microwave communications system is insufficient in channel capacity and insecure for transmitting classified information. This digital upgrade will provide increased channel capacity and reliability. It will also provide bulk encryptioned secure communications for users in Europe.

IMPACT IF NOT PROVIDED: Without this site, a vital link of the DEB cannot be provided. This would seriously degrade other high priority systems depending on DEB for continuity of their communication linkage. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF UPPER HEYFORD , UNITED KINGDOM		
4. PROJECT TITLE DIGITAL EUROPEAN BACKBONE FACILITY		5. PROJECT NUMBER ESDS870008

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUN 15
(b)	Percent Complete as of January 1986	35
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 AUG 31

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - 85

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	62
(b)	All Other Design Costs	0
(c)	Total	62
(d)	Contract	62
(e)	In-house	0

(4) Construction start 87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
Antenna and Tower	3080	87	166
Radius	3080	87	300
AN/FCC-99/98	3080	87	270
UPS/Batteries	3080	87	35
Tramcon/Comsec	3080	87	63

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF UPPER HEYFORD, UNITED KINGDOM	4 PROJECT TITLE ADD TO AND ALTER VEHICLE MAINTENANCE SHOP

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 214-425	7 PROJECT NUMBER XQDT879006	8 PROJECT COST ($000) 2,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AND ALTER VEHICLE MAINTENANCE SHOP				1,656
VEHICLE MAINTENANCE SHOP ADDITION	SF	19,800	73	(1,445)
VEHICLE MAINTENANCE SHCP ALTERATION	LS			(211)
SUPPORTING FACILITIES				470
UTILITIES	LS			(265)
PAVEMENTS				(190)
SITE IMPROVEMENTS	LS			(10)
COMMUNICATIONS	LS			(5)
SUBTOTAL				2,126
CONTINGENCY (5%)				106
TOTAL CONTRACT COST				2,232
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				56
TOTAL REQUEST				2,288
TOTAL REQUEST (ROUNDED)				2,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Building addition with reinforced concrete foundation and floor, masonry walls, steel framed roof system, floor drainage with fuel separator and vehicle exhaust extraction system. Flame-proof mechanical ventilation, explosion-proof fixtures. Adequate heating system for this type of maintenance facility, stalls, latrine and office space. Foundations to support the heaviest vehicle which is 60 tons. Alteration: Remove existing wall, enlarge baydoors. All fire protection, utilities and necessary support.

11. REQUIREMENT: 44,658 SF ADEQUATE: 24,841 SF SUBSTANDARD: 0

PROJECT: Add to and alter vehicle maintenance facility.

REQUIREMENT: Facility to perform maintenance repairs and major overhauls to special purpose equipment. Includes space for lubrication, inspection, general repair, major assembly replacement, painting, welding, testing, cleaning and major part fabrication.

CURRENT SITUATION: The existing vehicle maintenance facilities were constructed in the 1940s and early 1950s based upon maintenance requirements of 300 vehicles. Today's 725 vehicle population renders existing vehicle maintenance facilities totally inadequate. Space for spare parts, tool rooms and personnel support has also become seriously deficient. Essential maintenance is performed outside when possible but is extremely limited due to non-availability of special tools/equipment, inclement weather and insufficient lighting.

IMPACT IF NOT PROVIDED: The numbers of vehicles out of service will continue to be higher than accepted standards which reduces support. Mechanics will continue to be subjected to undesirable and inadequate working conditions. This project is not eligible for NATO funding.

1. COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
RAF UPPER HEYFORD, UNITED KINGDOM

4. PROJECT TITLE
ADD TO AND ALTER VEHICLE
MAINTENANCE SHOP

5. PROJECT NUMBER
XODT879006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 JAN 28
	(b)	Percent Complete as of January 1986	55
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 JUL 31
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	127
	(b)	All Other Design Costs	0
	(c)	Total	127
	(d)	Contract	127
	(e)	In-house	0
(4)	Construction start		86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE		

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
RAF UPPER HEYFORD, UNITED KINGDOM	ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	721-312	XQDT879012	4,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING (220 PN)	SF	67,500	48	3,240
SUPPORTING FACILITIES				765
UTILITIES	LS			(385)
PAVEMENTS	LS			(270)
SITE IMPROVEMENTS	LS			(100)
COMMUNICATIONS SUPPORT	LS			(10)
SUBTOTAL				4,005
CONTINGENCY (10%)				401
TOTAL CONTRACT COST				4,406
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				110
TOTAL REQUEST				4,516
TOTAL REQUEST (ROUNDED)				4,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION All electrical, mechanical and structural for conversion of central hallways to semiprivate bathrooms and central latrines to bedrooms and construction of balconies. Increased noise attenuation and energy conservation features. All utilities, fire protection and necessary support.

GRADE MIX: 120 E1-E4, 80 E5-E6; 20 E7-E9.

11. REQUIREMENT: 1,990 PN ADEQUATE: 549 PN SUBSTANDARD: 1,163 PN

PROJECT: Alter seven unaccompanied enlisted personnel housing facilities.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs that personnel must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1925. They have inadequate lighting, poor insulation and sound attenuation, inadequate electrical and mechanical systems and central latrines. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full needs of the base.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist at the base and the morale, productivity and career satisfaction of the enlisted force will continue to be degraded. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF UPPER HEYFORD, UNITED KINGDOM		
4. PROJECT TITLE ALTER UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER XQDT879012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 MAR 11
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUN 30
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	225
	(b) All Other Design Costs	0
	(c) Total	225
	(d) Contract	225
	(e) In-house	0
(4)	Construction start	86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION RAF UPPER HEYFORD, UNITED KINGDOM	4 PROJECT TITLE UNACCCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.75.96	721-312	XQDT879013	6,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (188 PN)	SF	67,000	60	4,020
SUPPORTING FACILITIES				1,555
UTILITIES	LS			(765)
PAVEMENTS	LS			(565)
SITE IMPROVEMENTS	LS			(125)
RELOCATION/DEMOLITION	LS			(85)
COMMUNICATIONS SUPPORT	LS			(15)
SUBTOTAL				5,575
CONTINGENCY (5%)				279
TOTAL CONTRACT COST				5,854
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				146
TOTAL REQUEST				6,000
TOTAL REQUEST (ROUNDED)				6,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Poured concrete foundations and floor slab, steel framework with masonry walls, and pitched roof construction. Interior room-bath-room configuration with external balcony entrances, wall and loft insulations, double glazed windows and individually controlled radiator valves. All utilities and necessary support. GRADE MIX: 84 E1-E4, 74 E5-E6, 30 E7-E9.

11. REQUIREMENT: 1,990 PN ADEQUATE: 549 PN SUBSTANDARD: 1,163 PN

PROJECT: Construct a four-story unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: There are not enough facilities to accommodate the on base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited local expensive rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be degraded. Project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF UPPER HEYFORD, UNITED KINGDOM		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER XQDT879013

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started 85 JAN 30
- (b) Percent Complete as of January 1986 35
- (c) Percent Complete as of October 1986 100
- (d) Date Design Complete 86 JUL 31

(2) Basis
- (a) Standard or Definitive Design - Yes No X
- (b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a) Production of Plans and Specifications	352
(b) All Other Design Costs	0
(c) Total	352
(d) Contract	352
(e) In-house	0

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION VARIOUS LOCATIONS-OVERSEAS	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX -

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85										
b. END FY 19 91										

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (N/A)	
b INVENTORY TOTAL AS OF 30 Sept 85	
c AUTHORIZATION NOT YET IN INVENTORY	
d AUTHORIZATION REQUESTED IN THIS PROGRAM	3,953
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	
f PLANNED IN NEXT THREE PROGRAM YEARS	
g REMAINING DEFICIENCY	
h GRAND TOTAL	

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	Auxiliary Seismic Network	LS	3,953	May 85	Jan 87

9. Future Projects: N/A

10. Mission or Major Functions: N/A

11. Outstanding pollution and safety (OSH) deficiencies: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS - OVERSEAS	4 PROJECT TITLE AUXILIARY SEISMIC NETWORK

5 PROGRAM ELEMENT 3.59.99 NFIP	6 CATEGORY CODE 100-000	7 PROJECT NUMBER	8 PROJECT COST ($000) 3,953

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUXILIARY SEISMIC NETWORK	LS			3,953
AUXILIARY SEISMIC NETWORK	LS			(3,000)
RELOCATE SEISMIC ARRAY	LS			(953)
TOTAL REQUEST				3,953

10 DESCRIPTION OF PROPOSED CONSTRUCTION

(FOR JUSTIFICATION, SEE FOLLOWING DD FORMS 1391/1391C)

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS - OVERSEAS	4 PROJECT TITLE AUXILIARY SEISMIC NETWORK

5 PROGRAM ELEMENT 3.59.99 NFIP	6 CATEGORY CODE 100-000	7 PROJECT NUMBER	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUXILIARY SEISMIC NETWORK	LS			2,110
CENTRAL EQUIPMENT BUILDINGS	SF	3,750	133	(500)
BOREHOLE DRILLING AND CASING	LS			(1,600)
SUPPORTING FACILITIES				600
UTILITIES	LS			(330)
SITE IMPROVEMENTS/DEMOLITION/RELOCATION	LS			(70)
TEMPEST/EMP/COMMUNICATIONS	LS			(200)
SUBTOTAL				2,710
CONTINGENCY (5.0%)				136
TOTAL CONTRACT COST				2,846
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				157
TOTAL REQUEST				3,003
TOTAL REQUEST (ROUNDED)				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, steel frame with masonry walls, roof system, utilities and necessary support. Area includes two boreholes with casing, a central equipment building, power and data transmission lines, access roads and security fencing at each of the overseas locations.

11. REQUIREMENT: As required.

PROJECT: Construction of a central equipment facility, drilling two boreholes, and providing associated support at each of five overseas locations as part of a worldwide seismic detection and identification network.

REQUIREMENT: The collection of seismic data as a result of either natural or man-made earth disturbances requires an adequate reliable array of detection sensors, properly spaced and located within the earth's surface. The monitoring of these sensors requires adequate operational facilities which will house power, equipment and transmitting devices and transmission lines which will permit collection of data to a central location.

CURRENT SITUATION: Currently, there are insufficient seismic detection systems in the Southern Hemisphere. Seismic surveillance capable of detecting long period and short period data is required to detect, identify and monitor seismic disturbances, both natural and man-made, occurring on or within the earth's surface. This project will provide an improved capability to detect and identify these disturbances in the Southern Hemisphere by the establishment of a single instrument seismic station at each of five separate locations overseas.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS, OVERSEAS		
4. PROJECT TITLE AUXILIARY SEISMIC NETWORK		5. PROJECT NUMBER

IMPACT IF NOT PROVIDED: Without these seismic detection stations, any natural or man-made earth disturbances occurring in the Southern Hemisphere cannot be identified as to its source, type and duration. This would result in an incomplete worldwide seismic detection and identification network.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION VARIOUS LOCATIONS, OVERSEAS		
4 PROJECT TITLE AUXILIARY SEISMIC NETWORK		5. PROJECT NUMBER

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:		
	(a)	Date Design Started	85 MAY 30
	(b)	Percent Complete as of January 1986	35
	(c)	Percent Complete as of October 1986	65
	(d)	Date Design Complete	87 AUG 01
(2)	Basis		
	(a)	Standard or Definitive Design - Yes	No X
	(b)	Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a)	Production of Plans and Specifications	252
	(b)	All Other Design Costs	424
	(c)	Total	676
	(d)	Contract	140
	(e)	In-house	536
(4)	Construction start		87 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - OVERSEAS		
4. PROJECT TITLE AUXILIARY SEISMIC NETWORK		5. PROJECT NUMBER

		($000)
RELOCATE SEISMIC ARRAY	SCOPE: LS	COST: 953
AKNR870001	CATEGORY CODE: 100-000	

REQUIREMENT: As Required

Construct six boreholes with supporting facilities to relocate the seismic array. Project includes drilling and casing six boreholes, approximately 100 feet deep with steel casings, remote operating and transmission facilities, power and data transmission lines, microwave tower, road and site improvement and other necessary support. The detection of seismic disturbances, either natural or manmade, requires an adequate reliable array of detection sensors, properly spaced and located within the earth's surface. The location must be free of local disturbances such as quarries and construction activities. The existing seismic array is located near Ankara, Turkey, which is subjected to local disturbances in the general vicinity due to local development. This data, which is in direct support of the requirement to monitor provisions of Safeguard "d" of the Limited Nuclear Test Ban Treaty of 1963, is severely affected as to the amount of useful information which can be collected and extracted as a result of these construction activities. The area of the current array is being developed as an industrial/computer/residential center. The deterioration of the data from the existing system due to the nearness of the local development will render the existing array data useless within two years. Relocation and replacement of the existing seismic array will enable the system to continue its mission with improved capability from installation of modern state-of-the-art digital equipment and support facilities. If this project is not provided, the requirements to monitor the provisions of Safeguard "d" of the Limited Nuclear Test Ban Treaty of 1963 will be adversely affected. Relocation of the seismic array to a seismically quiet area, free from local disturbances from encroaching development and construction activities, will assure continued long-term and reliable data collection and dissemination.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION RAF WELFORD, UNITED KINGDOM	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX .97

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	3	199	0	0	0	0	0	0	104	306
b. END FY 19 91	3	200	0	0	0	0	0	0	104	307

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (806)	
b. INVENTORY TOTAL AS OF 30 Sept 85	7,890
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,590
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,243
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,048
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	13,771

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
215-582	Munitions Surveillance and Inspection Shop	6,000 SF	760	Feb 85	Jul 86
422-264	Ground Defense Munitions Storage Igloos	3 EA	830	Feb 85	Jun 86
	Total		1,590		

9. Future Projects: (a) Included in Following Program (FY 88):

130-142	Fire Station	6,220 SF	840
422-264	Munitions Storage Igloos	10 EA	1,403
	Total		2,243

(b) Typical Planned Next Three Years:

411-134	Diesel Mogas Storage	9,765 BL	2,048

10. Mission or Major Functions: A conventional munitions storage depot and war readiness material storage site.

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION RAF WETHERSFIELD, UNITED KINGDOM	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX .97

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	24	500	18	0	0	0	0	0	6	548
b. END FY 19 91	22	506	19	0	0	0	0	0	6	553

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (799)	
b. INVENTORY TOTAL AS OF 30 Sept 85	10,207
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,600
g. REMAINING DEFICIENCY	820
h. GRAND TOTAL	16,277

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-515	Second Echelon Medical Logistics Storage Facility	8,300 SF	650	Mar 85	Jul 86

9. Future Projects: (a) Included in Following Program (FY 88): None
(b) Typical Planned Next Three Years:

411-135	Jet Fuel Storage	31,500 BL	4,600

10. Mission or Major Functions: A wartime standby deployment base that supports the 819 Civil Engineering Squadron (RED HORSE) which provides rapid runway repair capability for USAFE bases.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.10

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	0	132	0	0	0	0	0	0	0	132
b. END FY 19 91	139	1,210	168	0	0	0	0	0	0	1,517

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (N/A)	
b. INVENTORY TOTAL AS OF 30 Sept 85	2,650
c. AUTHORIZATION NOT YET IN INVENTORY	15,980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	34,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	41,892
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	1,170
h. GRAND TOTAL	95,992

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
100-000	GLCM-Various Support Facilities	LS	34,300	Nov 83	Jan 87
	Total		34,300		

9. Future Projects: (a) Included in Following Program (FY88):

100-000 GLCM-Various Support Facilities LS 40,892

10. Mission or Major Functions: This base will host a tactical missile group headquarters which will be responsible for management, command, control and direction of units assigned to the base including tactical missile squadrons which operate BGM-109 missiles (GLCM).

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-VARIOUS SUPPORT FACILITIES

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.73.14	100-000	TYFR866016	34,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-VARIOUS SUPPORT FACILITIES	LS			34,300

NOTE 1. THE ABOVE COST IS ROUNDED AND INCLUDES CONTINGENCY (5%) AND SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

NOTE 2. THIS DD FORM 1391 SUMMARIZES THE FY 87 MILCON GLCM BEDDOWN AT WOENSDRECHT. PROJECT REQUIREMENTS FOLLOW ON ATTACHED DD FORMS 1391C.

10 DESCRIPTION OF PROPOSED CONSTRUCTION Facilities constructed of various materials and methods, dependent on facility utilization; site preparation, including the installation of utilities and pavements.

11 REQUIREMENT: As required.

PROJECT: Construct facilities, utilities, and pavements to support the beddown of the Ground Launched Cruise Missile (GLCM) system.

REQUIREMENT: Basic base operating support facilities are necessary to support the GLCM system and personnel. As the system is deployed to the field it will go to new, existing or reopened bases. In this case, we are starting with a new base. Personnel will need housing and dining facilities, administrative space, warehousing, clinics, exchanges, storage and all the other facilities required for base operation. Without this support package the system will not be able to become operational.

CURRENT SITUATION: FY 86 contained initial site activation facilities. This is the first permanent phase of the base operating support and will provide the very basic requirements for the initial beddown. The second and last phases are programmed in the FY 88 and FY 89 programs. These years will provide the additional increments of facilties to accommodate the assigned personnel.

IMPACT IF NOT PROVIDED: It will not be possible to adequately support the system or personnel manning the new weapons system. These projects are the non-NATO eligible portion of the GLCM beddown. Operational facilities are being funded by NATO.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

WOENSDRECHT AIR BASE, THE NETHERLANDS

4. PROJECT TITLE

GLCM-VARIOUS SUPPORT FACILITIES

5. PROJECT NUMBER

TYFR866016

PROJECT SUMMARY

TITLE	SCOPE (SF)	COST ($000)
UTILITIES, PAVEMENTS AND ROADS	LS	(8,600)
UNACCOMPANIED ENLISTED PERSONNEL HSG	402 PN	(7,300)
BASE CIVIL ENGINEER COMPLEX	LS	(3,500)
UNACCOMPANIED OFFICER PERSONNEL HSG	56 PN	(3,000)
BASE SUPPLY COMPLEX	LS	(2,350)
OPERATIONS AND MAINTENANCE TRAINING FAC	15,000 SF	(1,700)
DINING HALL	9,700 SF	(1,600)
HIGH FREQUENCY FACILITY	2,700 SF	(1,600)
SUBSISTENCE STORAGE FACILITY	9,100 SF	(1,050)
FIRE STATION	6,500 SF	(1,000)
TELECOMMUNICATIONS CENTER	7,650 SF	(1,000)
VEHICLE CORROSION CONTROL FACILITY	2,000 SF	(700)
VEHICLE OPERATIONS COMPLEX	LS	(550)
TOWER SUPPORT	LS	(350)
TOTAL REQUEST		34,300

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-UTILITIES, PAVEMENTS AND ROADS

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.73.14	800-000	ZEML879001	8,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-UTILITIES, PAVEMENTS, AND ROADS	LS			7,757
MISCELLANEOUS UTILITIES	LS			(5,047)
MISCELLANEOUS PAVEMENTS	LS			(769)
ROADS	LS			(1,941)
SUBTOTAL				7,757
CONTINGENCY (5%)				388
TOTAL CONTRACT COST				8,145
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				448
TOTAL REQUEST				8,593
TOTAL REQUEST (ROUNDED)				8,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Asphalt and concrete pavements as required; landscaping to prevent soil erosion and provide exterior base/pedestrian amenities; electrical, water, heat, and sewage distribution systems.

11. REQUIREMENT: As required.

PROJECT: Construct pavements, electrical, water, heat, and sewage distribution systems. Provide landscaping to prevent soil erosion and provide exterior base/pedestrian amenities.

REQUIREMENT: Pavements, utility systems, and the associated landscaping are needed to make Woensdrecht fully operational.

CURRENT SITUATION: Although some roads and utilities now exist, the GLCM program requires construction of many additional operations and support facilities. Many of these facilities are sited in areas that, by necessity, are not near control streets and utilities. Also, existing utilities are sized to a much smaller base operation.

IMPACT IF NOT PROVIDED: Without this project, the basic infrastructure necessary to support the day-to-day functions of an operational base will not be available. The physical layout of the base will be unsatisfactory and will hinder the operational capability of GLCM. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

WOENSDRECHT AIR BASE, THE NETHERLANDS

4. PROJECT TITLE GLCM-UTILITES, PAVEMENTS AND ROADS	5. PROJECT NUMBER ZEML879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	84 OCT 10
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 DEC 30

(2) Basis
   (a) Standard or Definitive Design - Yes No X
   (b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	761
(b) All Other Design Costs	284
(c) Total	1045
(d) Contract	761
(e) In-house	284

(4) Construction start 87 APR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
2.73.14	721-312	ZEML855008	7,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-UNACCOMPANIED ENLISTED PERSONNEL HOUSING (402 PN)	SF	91,000	80	5,460
SUPPORTING FACILITIES				1,100
UTILITIES	LS			(440)
PAVEMENTS	LS			(335)
SITE IMPROVEMENTS	LS			(185)
COMMUNICATIONS	LS			(140)
SUBTOTAL				6,560
CONTINGENCY (5%)				328
TOTAL CONTRACT COST				6,888
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				379
TOTAL REQUEST				7,267
TOTAL REQUEST (ROUNDED)				7,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors, roof, and foundation; masonry walls. Functional areas include bedrooms, bathrooms, closets, lounges, centralized storage, laundry areas, and support space. Grade Mix: 336 E1-E4; 60 E5-E6; 6 E7-E9.

11. REQUIREMENT: 402 PN ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an unaccompanied enlisted personnel housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates.

CURRENT SITUATION: Facilities to support this requirement currently do not exist.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will not be available, resulting in degradation of morale, productivity, and career satisfaction. This will degrade the mission capability of GLCM. This project is not eligible for NATO funding.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS		
4. PROJECT TITLE GLCM-UNACCOMPANIED ENLISTED PERSONNEL HOUSING	5. PROJECT NUMBER ZEML855008	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 NOV 29
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 AUG 15
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used - 84	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	725
(b) All Other Design Costs	270
(c) Total	995
(d) Contract	725
(e) In-house	270
(4) Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-BASE CIVIL ENGINEER (BCE) COMPLEX

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 219-944 610-127	7 PROJECT NUMBER ZEML855016	8 PROJECT COST ($000) 3,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-BASE CIVIL ENGINEER (BCE) COMPLEX	LS			2,752
BASE MAINTENANCE SHOP	SF	11,400	79	(900)
BASE ENGINEER ADMINISTRATION	SF	12,400	71	(880)
BCE SUPPLY & EQUIPMENT SHED	SF	8,600	39	(335)
BCE COVERED STORAGE	SF	8,600	45	(387)
OPEN STORAGE	SY	3,000	30	(90)
VEHICLE/EQUIPMENT PARKING	SY	4,000	40	(160)
SUPPORTING FACILITIES				395
UTILITIES	LS			(225)
SITE IMPROVEMENTS	LS			(125)
COMMUNICATIONS	LS			(45)
SUBTOTAL				3,147
CONTINGENCY (5%)				157
TOTAL CONTRACT COST				3,304
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				182
TOTAL REQUEST				3,486
TOTAL REQUEST (ROUNDED)				3,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame buildings, concrete floors and roofs, concrete foundations, and masonry walls. Asphalt concrete paved, fenced, and lighted open storage and vehicle parking yards.

11. REQUIREMENT: 104,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct BCE maintenance, storage, and administrative facilities.

REQUIREMENT: GLCM requires reliable facilities and utilities. The BCE maintenance shop facility is required to house those functions necessary to provide direct maintenance, repair, and minor construction support for the base. Support space for storage of bench stock and tools is provided in each shop as required. BCE administration is required to house the administrative functions necessary to manage the maintenance, repair, and minor construction support for the base. Improved paved secure areas are required to store bulk BCE materials authorized for open storage and to insure proper security of the BCE vehicle fleet. BCE storage facilities are essential to insure that adequate "on-shelf" engineering materials are available around the clock in order to respond to emergencies and to insure work force productivity.

CURRENT SITUATION: Facilities to support these functions do not exist.

IMPACT IF NOT PROVIDED: Woensdrecht will be denied basic support for the performance of facility maintenance, repair, and minor construction. This situation will reduce the ability of the facilities and utilities to support the GLCM mission and the personnel assigned. This, in turn, reduces the operational capability of the GLCM weapon system. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS		
4. PROJECT TITLE GLCM-BASE CIVIL ENGINEER COMPLEX	5. PROJECT NUMBER ZEML855016	

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)		Status:	
	(a)	Date Design Started	83 NOV 29
	(b)	Percent Complete as of January 1986	95
	(c)	Percent Complete as of October 1986	100
	(d)	Date Design Complete	86 FEB 01
(2)		Basis	
	(a)	Standard or Definitive Design -	Yes X No
	(b)	Where Design Was Most Recently Used -	85
(3)		Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a)	Production of Plans and Specifications	120
	(b)	All Other Design Costs	43
	(c)	Total	163
	(d)	Contract	120
	(e)	In-house	43
(4)		Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-UNACCOMPANIED OFFICER PERSONNEL HOUSING

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 724-415	7 PROJECT NUMBER TYFR855050	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-UNACCOMPANIED OFFICER PERSONNEL HOUSING (56 PN)	SF	33,900	66	2,237
SUPPORTING FACILITIES				465
UTILITIES	LS			(150)
PAVEMENTS	LS			(130)
SITE IMPROVEMENTS	LS			(125)
COMMUNICATIONS	LS			(60)
SUBTOTAL				2,702
CONTINGENCY (5%)				135
TOTAL CONTRACT COST				2,837
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				156
TOTAL REQUEST				2,993
TOTAL REQUEST (ROUNDED)				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation, and masonry walls. Functional areas include bedrooms, bathrooms, closets, lounges, centralized storage, laundry areas, and support space.
Grade Mix: 16 O1-O2; 40 O3 and above.

11. REQUIREMENT: 56 PN ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an unaccompanied officer housing facility.

REQUIREMENT: Provide unaccompanied officer personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: Facilities to support this function currently do not exist.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied officer personnel will not be available, resulting in degradation of morale, productivity, and career satisfaction. This project is not eligible for NATO funding.

1. COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
WOENSDRECHT AIR BASE, THE NETHERLANDS

4. PROJECT TITLE
GLCM-UNACCOMPANIED OFFICER PERSONNEL HOUSING

5. PROJECT NUMBER
TYFR855050

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 DEC 01
(b) Percent Complete as of January 1986	100
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	85 OCT 30

(2) Basis
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used - 85

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	295
(b) All Other Design Costs	110
(c) Total	405
(d) Contract	295
(e) In-house	110

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-BASE SUPPLY COMPLEX

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 442-758 610-122	7 PROJECT NUMBER ZEML855065	8 PROJECT COST ($000) 2,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-BASE SUPPLY COMPLEX	LS			1,835
BASE SUPPLY WAREHOUSE	SF	18,100	44	(796)
BASE SUPPLY EQUIPMENT SHED	SF	3,000	35	(105)
BASE SUPPLY OPEN STORAGE	SY	1,000	30	(30)
BASE SUPPLY ADMINISTRATION	SF	10,400	87	(904)
SUPPORTING FACILITIES				270
COMMUNICATIONS	LS			(90)
UTILITIES	LS			(100)
PAVEMENTS	LS			(45)
SITE IMPROVEMENTS	LS			(35)
SUBTOTAL				2,105
CONTINGENCY (5%)				105
TOTAL CONTRACT COST				2,210
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				122
TOTAL REQUEST				2,332
TOTAL REQUEST (ROUNDED)				2,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation, and masonry walls. Asphalt concrete paved, fenced, and lighted open storage yard.

11. REQUIREMENT: 40,500 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a base supply storage and administrative complex.

REQUIREMENT: A base supply warehouse is required for bulk and bin storage of materials for which maximum protection from the weather is required. Included is space for: supplies and equipment needed to support base operations; receiving, shipping, packing, and crating activities; and mobility kits. Base supply administration is required to house the main administrative offices of the base supply organization. A storage shed is required to provide covered storage for base supply assets which do not require regular warehouse storage yet must be protected from the weather. An improved paved secure area is required to store bulk base supply materials authorized for open storage.

CURRENT SITUATION: Facilities to support these functions currently do not exist. NATO funding provides for warehousing of direct mission supplies, but not for essential support activities.

IMPACT IF NOT PROVIDED: Woensdrecht will be unable to requisition, receive, manage, or store direct mission and base support materials. The GLCM weapon system will not be supported at the level required to insure combat readiness. This project is not eligible for NATO funding.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS		
4 PROJECT TITLE GLCM-BASE SUPPLY COMPLEX		5 PROJECT NUMBER ZEML855065

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	83 NOV 29
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 MAR 30

(2) Basis

(a) Standard or Definitive Design - Yes X No

(b) Where Design Was Most Recently Used - 84

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	237
(b) All Other Design Costs	31
(c) Total	268
(d) Contract	237
(e) In-house	31

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-OPERATIONS AND MAINTENANCE TRAINING FACILITY

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 171-000	7 PROJECT NUMBER ZEML855006	8 PROJECT COST ($000) 1,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-OPERATIONS AND MAINTENANCE TRAINING FACILITY	SF	15,000	94	1,410
SUPPORTING FACILITIES				125
UTILITIES	LS			(50)
COMMUNICATIONS	LS			(45)
SITE IMPROVEMENTS	LS			(30)
SUBTOTAL				1,535
CONTINGENCY (5%)				77
TOTAL CONTRACT COST				1,612
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				89
TOTAL REQUEST				1,701
TOTAL REQUEST (ROUNDED)				1,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation, and masonry walls.

11. REQUIREMENT: 15,000 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an operations and maintenance training facility.

REQUIREMENT: A facility is required for the practical and academic training of launch crew and maintenance personnel.

CURRENT SITUATION: Facilities to support this function do not exist.

IMPACT IF NOT PROVIDED: This facility is critical to the GLCM mission. Without this facility, the level and quality of proficiency and upgrade training available to launch crews and maintenance personnel will be severely limited. This situation will degrade the ability of personnel tasked with operating and maintaining the GLCM weapon system resulting in a reduced level of combat readiness. This project is not eligible for NATO fundng.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3. INSTALLATION AND LOCATION

WOENSDRECHT AIR BASE, THE NETHERLANDS

4. PROJECT TITLE GLCM-OPERATIONS & MAINTENANCE TRAINING FACILITY	5. PROJECT NUMBER ZEML855006

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	83 DEC 01
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	85 JUL 15
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	84
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	149
	(b) All Other Design Costs	55
	(c) Total	204
	(d) Contract	149
	(e) In-house	55
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-DINING HALL

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 722-351	7 PROJECT NUMBER ZEML855009	8 PROJECT COST ($000) 1,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-DINING HALL	SF	9,700	135	1,309
SUPPORTING FACILITIES				130
UTILITIES	LS			(40)
COMMUNICATIONS	LS			(35)
SITE IMPROVEMENTS	LS			(30)
PAVEMENTS	LS			(25)
SUBTOTAL				1,439
CONTINGENCY (5%)				72
TOTAL CONTRACT COST				1,511
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				83
TOTAL REQUEST				1,594
TOTAL REQUEST (ROUNDED)				1,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floors and roof, concrete foundation and masonry walls.

11. REQUIREMENT: 9,700 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct an enlisted dining hall.

REQUIREMENT: A facility is required to provide enlisted personnel a place to eat. This facility includes refrigerated and dry storage space required to store food prior to processing, a kitchen capable of food preparation, a dishwashing room, a dining area, serving counter, and patron washrooms.

CURRENT SITUATION: Facilities to support this requirement do not exist at Woensdrecht nor are there any establishments in the surrounding area which can be contracted to provide this service.

IMPACT IF NOT PROVIDED: Adequate dining facilities for enlisted personnel tasked with supporting, operating, and maintaining the GLCM weapon system at Woensdrecht will not be available. This condition will severely reduce the quality of life and morale of the enlisted personnel. For on-duty personnel, having to eat at off-base establishments will increase response times in case of emergencies and contingencies. Such delays degrade readiness of the GLCM system. This project is not eligible for NATO funding.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3. INSTALLATION AND LOCATION

WOENSDRECHT AIR BASE, THE NETHERLANDS

4. PROJECT TITLE	5. PROJECT NUMBER
GLCM-DINING HALL	ZEML855009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
(a)	Date Design Started	83 NOV 29
(b)	Percent Complete as of January 1986	95
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 FEB 01
(2) Basis		
(a)	Standard or Definitive Design -	Yes X No
(b)	Where Design Was Most Recently Used -	84
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
(a)	Production of Plans and Specifications	142
(b)	All Other Design Costs	53
(c)	Total	195
(d)	Contract	142
(e)	In-house	53
(4) Construction start		87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM - HIGH FREQUENCY FACILITY

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 131-134	7 PROJECT NUMBER ZEML855070	8 PROJECT COST ($000) 1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-HIGH FREQUENCY FACILITY	SF	2,700	330	891
SUPPORTING FACILITIES				540
UTILITIES	LS			(255)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(165)
SUBTOTAL				1,431
CONTINGENCY (5%)				72
TOTAL CONTRACT COST				1,503
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				83
TOTAL REQUEST				1,586
TOTAL REQUEST (ROUNDED)				1,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Concrete foundation and floor slab, masonry semi-hardened facility. Includes electromagnetic pulse protection, chemical/biological protection, utilities and all necessary support. Includes transmitter/receiving areas, administrative areas, latrines and utilities areas.

11. REQUIREMENT: 2,700 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Provide a 2,700 SF facility for high frequency radios and communication equipment and operators.

REQUIREMENT: Provide national command, control, and status reporting for GLCM through two systems: satellite communications and high frequency nets connected to USAFE and EUCOM command centers. These two nets provide the diversity needed for survivability.

CURRENT SITUATION: All existing communications facilities are currently being used by functions that are not related to GLCM. Space to house the required communications receivers, transmitters and operators, does not exist.

IMPACT IF NOT PROVIDED: National command, control, and emergency action transmissions would be totally reliant on a single satellite system. This provides no redundancy and could deny national command and control of GLCM in the event of equipment failure of intentional damage to the satellite system. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS		
4. PROJECT TITLE GLCM-HIGH FREQUENCY FACILITY		5. PROJECT NUMBER ZEML855070

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	83 NOV 29
(b) Percent Complete as of January 1986	95
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JAN 30
(2) Basis	
(a) Standard or Definitive Design -	Yes X No
(b) Where Design Was Most Recently Used - 84	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	112
(b) All Other Design Costs	54
(c) Total	166
(d) Contract	124
(e) In-house	42
(4) Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS	4 PROJECT TITLE GLCM-SUBSISTENCE STORAGE FACILITY

5 PROGRAM ELEMENT 2.73.14	6 CATEGORY CODE 442-765 452-283	7 PROJECT NUMBER ZEML855012	8 PROJECT COST ($000) 1,050

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GLCM-SUBSISTENCE STORAGE FACILITY	LS			743
TROOP SUBSISTENCE WAREHOUSE	SF	1,800	125	(225)
BASE COLD STORAGE	SF	7,300	71	(518)
SUPPORTING FACILITIES				200
UTILITIES	LS			(70)
SITE IMPROVEMENTS	LS			(65)
PAVEMENTS	LS			(60)
COMMUNICATIONS	LS			(5)
SUBTOTAL				943
CONTINGENCY (5%)				47
TOTAL CONTRACT COST				990
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				54
TOTAL REQUEST				1,044
TOTAL REQUEST (ROUNDED)				1,050

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building, concrete floor slab on concrete foundation, and masonry walls.

11. REQUIREMENT: 9,100 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a troop subsistence warehouse/base cold storage facility.

REQUIREMENT: A facility is required to provide nonperishable and perishable subsistence storage to support the Woensdrecht enlisted dining hall. This facility is vital to ensuring that enough food is available at all times to support the base population.

CURRENT SITUATION: Facilities to support this requirement currently do not exist.

IMPACT IF NOT PROVIDED: Without this facility, food items will have to be stored in less secure, leased facilities at a cost in time, transportation, and inconvenience to the US Government. Also, the potential for pilferage and vandalism is much greater at off-base leased facilities. Subsistence storage is essential to the operation of the dining hall. The dining hall, in turn, is essential to on-duty crew responsiveness. Crews eating off-base will delay alert response times and degrade mission capability of the GLCM system. This project is not eligible for NATO funding.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3. INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS		
4. PROJECT TITLE GLCM-SUBSISTENCE STORAGE FACILITY		5. PROJECT NUMBER ZEML855012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	83 DEC 01
	(b) Percent Complete as of January 1986	95
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 APR 30
(2)	Basis	
	(a) Standard or Definitive Design -	Yes X No
	(b) Where Design Was Most Recently Used -	84
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	50
	(b) All Other Design Costs	18
	(c) Total	68
	(d) Contract	50
	(e) In-house	18
(4)	Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION WOENSDRECHT AIR BASE, THE NETHERLANDS		
4. PROJECT TITLE GLCM-VARIOUS SUPPORT FACILITIES		5. PROJECT NUMBER

($000)

GLCM-FIRE STATION SCOPE: 6,500 SF COST: $1,000
ZEML855021 CATEGORY CODE: 130-142
REQUIREMENT: 6,500 SF ADEQUATE: 0 SUBSTANDARD: 0

To protect the GLCM weapons system and safety of assigned personnel there must be a reliable firefighting capability. This facility is required to house fire protection vehicles, equipment and operating personnel of the base fire department. Besides vehicle stalls, this facility contains operating space for the department's technical services activities, fire extinguisher maintenance, a general purpose/squad room, sleeping quarters, offices for administrative, communications, and fire prevention activities, and a kitchen. Facilities to support this function currently do not exist, nor is there a nearby off-base capability. Without this facility, real property and assigned personnel will be exposed to a much greater risk of damage due to fire.

GLCM-TELECOMMUNICATIONS CENTER SCOPE: 7,650 SF COST: $1,000
ZEML855018 CATEGORY CODE: 131-111
REQUIREMENT: 7,650 SF ADEQUATE: 0 SUBSTANDARD: 0

Construct a 7,650 SF facility to house critical central base communications and long-line communications functions. No facility exists today. Base activation requires intra and interbase communications essential to positive command and control of GLCM, mission planning and tasking, and coordination of base command activities. Without this communications center, the GLCM missiles at this location cannot be adeqately integrated into the national command and control network. This effectively denies coordination of wartime logistic resupply and support which is a US responsibility.

GLCM-VEHICLE CORROSION CONTROL FACILITY SCOPE: 2,000 SF COST: 700
TYFR86802001 CATEGORY CODE: 214-425
REQUIREMENT: 2,000 SF ADEQUATE: 0 SUBSTANDARD: 0

Construct a 2,000 SF vehicle corrosion control facility. This facility is required to provide proper painting and corrosion control support for both operational and organizational vehicles. The special coatings involved can only be effectively applied by spray painting in an enclosed, environmentally controlled facility. Without this facility, adequate vehicle corrosion control will be impossible. The resulting vehicle maintenance problems could degrade mission readiness.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

WOENSDRECHT AIR BASE, THE NETHERLANDS

4. PROJECT TITLE GLCM-VARIOUS SUPPORT FACILITIES	5. PROJECT NUMBER

($000)

GLCM-VEHICLE OPERATIONS COMPLEX	SCOPE: LS	COST: 550
ZEML855056	CATEGORY CODE: 852-261	
REQUIREMENT: As required.	ADEQUATE: 0	SUBSTANDARD: 0

Construct a 1,250 SF vehicle operations administration facility, a 9,700 SY fenced and lighted vehicle parking yard, and a 650 SF petroleum operations building. Vehicle operations administration provides space for motor pool building. Vehicle operations administration provides space for motor pool functions such as a drivers' ready room, a classroom for driver training, and motor pool administration. This building is the operational center of the motor pool and provides facilities to control the operational and preventive maintenance function of the assigned vehicle fleet. A paved, fenced and lighted parking area is essential in order to insure proper vehicle security and control. A petroleum operations facility is required to provide for proper administration and supervision of refueling operations in the motor pool. Facilities to support these requirements currently do not exist. Without these facilities, proper security, control and scheduling of the maintenance and use of the Woensdrecht vehicle fleet, valued at over $7 million, will not be possible; proper adminstration and control of military vehicle refueling will not be possible.

GLCM-TOWER SUPPORT	SCOPE: LS	COST: $350
ZEML855067	CATEGORY CODE: 131-134	
REQUIREMENT: As required.		

Provide supporting facilities for communications tower installation. Project is required to provide the supporting facilities to properly install communications antennas such as high frequency, microwave, and satellite dishes. This includes on-base installations and off-base relay sites. Without this item, adequate communications antenna installation will not be possible which will make proper command and control of GLCM assets virtually impossible.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION RAF WOODBRIDGE UNITED KINGDOM	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX .97

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	109	300	2	0	0	0	0	0	0	411
b. END FY 19 91	109	302	2	0	0	0	0	0	0	413

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (998)	
b. INVENTORY TOTAL AS OF 30 Sept 85	32,738
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,050
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	12,465
g. REMAINING DEFICIENCY	2,000
h. GRAND TOTAL	52,253

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-159	Corrosion Control Facility	22,800 SF	3,400	Jun 85	Jun 86
442-758	Supply Warehouse	35,000 SF	1,650	Apr 85	Jul 86
	Total		5,050		

9. Future Projects: (a) Included in Following Program (FY 88): None
(b) Typical Planned Next Three Years:

111-111	Alter Launch and Recovery Surface	89,400 SY	3,150
141-753	Pararescue Facility	9,200 SF	1,550
141-753	Squadron Operations	21,300 SF	3.400
218-712	Age and Gun Shop	2.400 SF	600
721-312	Unaccompanied Enlisted Personnel Housing	212 PN	2,500

10. Mission or Major Functions: This base is part of the 81st Tactical Fighter Wing Complex (RAF Bentwaters/Woodbridge). RAF Woodbridge supports two A-10 squadrons and a rescue and recovery squadron (MAC).

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF WOODBRIDGE, UNITED KINGDOM	4 PROJECT TITLE CORROSION CONTROL FACILITY

5 PROGRAM ELEMENT 4.18.96	6 CATEGORY CODE 211-159	7 PROJECT NUMBER BHVW861009	8 PROJECT COST ($000) 3,400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CORROSION CONTROL FACILITY	SF	22,800	96	2,188
SUPPORTING FACILITIES				980
SPECIAL FIRE PROTECTION SYSTEMS	LS			(425)
PAVEMENTS	LS			(180)
UTILITIES	LS			(255)
SITE IMPROVEMENTS	LS			(105)
COMMUNICATIONS SUPPORT	LS			(15)
SUBTOTAL				3,168
CONTINGENCY (5%)				158
TOTAL CONTRACT COST				3,326
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				83
TOTAL REQUEST				3,409
TOTAL REQUEST (ROUNDED)				3,400

10 DESCRIPTION OF PROPOSED CONSTRUCTION Enclose existing aircraft washrack with a steel frame building and insulated steel siding. Provide paving, drainage, lighting, fire protection system, heating and all necessary support.

11. REQUIREMENT: 28,900 SF ADEQUATE: 6,100 SF SUBSTANDARD: 4,800 SF

PROJECT: Construct a corrosion control facility over the existing outdoor washrack.

REQUIREMENT: Adequate space, properly sized and configured is required to completely enclose HC-130 and HH-53 rescue aircraft in a controlled temperature work area for cleaning with toxic chemicals and painting. The facility must meet all technical, safety and health requirements to provide safe and effective aircraft corrosion control.

CURRENT SITUATION: The existing outdoor aircraft washrack is inadequate for all-weather corrosion control of assigned rescue aircraft. The washrack cannot be used during extended periods of bad winter weather and there is no indoor facility available on this installation. Corrosion is an intense problem at this base as rescue aircraft routinely perform low level operations over the ocean. Aircraft must receive a complete wash every 42 days and a clear water rinse at the end of each flying day when they fly below 3,000 feet over salt water. During winter months, only 30% of scheduled washes and clear water rinses are being accomplished. As a result, aircraft are experiencing significant corrosion damage to primary and secondary structural components and external skin.

IMPACT IF NOT PROVIDED: Operations will continue without proper corrosion control and rescue aircraft will continue to experience premature structural deterioration, due to severe corrosion.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF WOODBRIDGE, UNITED KINGDOM		
4. PROJECT TITLE CORROSION CONTROL FACILITY		5. PROJECT NUMBER BHVW861009

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a)	Date Design Started	85 JUN 07
(b)	Percent Complete as of January 1986	45
(c)	Percent Complete as of October 1986	100
(d)	Date Design Complete	86 JUN 30

(2) Basis

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	185
(b)	All Other Design Costs	0
(c)	Total	185
(d)	Contract	185
(e)	In-house	0

(4) Construction start 86 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION RAF WOODBRIDGE, UNITED KINGDOM	4 PROJECT TITLE SUPPLY WAREHOUSE

5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 442-758	7 PROJECT NUMBER ZPKN879001	8 PROJECT COST ($000) 1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUPPLY WAREHOUSE	SF	35,000	37	1,295
SUPPORTING FACILITIES				220
UTILITIES	LS			(60)
PAVEMENTS	LS			(40)
SITE IMPROVEMENTS	LS			(40)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(75)
COMMUNICATIONS SUPPORT	LS			(5)
SUBTOTAL				1,515
CONTINGENCY (5%)				76
TOTAL CONTRACT COST				1,591
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				40
TOTAL REQUEST				1,631
TOTAL REQUEST (ROUNDED)				1,650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct steel frame facility with insulated steel composite panel sides and roof on concrete foundations and floor slab. Includes all utilities and other necessary support.

11. REQUIREMENT: 270,900 SF ADEQUATE: 99,400 SF SUBSTANDARD: 40,600 SF

PROJECT: Construct a base supply warehouse.

REQUIREMENT: Adequate space to alleviate a critical shortage of storage space. Items to be stored range from spare aircraft parts to support the flying mission to day-to-day supplies needed to maintain base real property. A secure, well-lighted area is necessary to provide space for receiving, storing and issuing these items.

CURRENT SITUATION: Due to over a 40 percent shortfall in warehouse space, supply items must be stored outside in receiving yards which results in the property having to be moved and handled many times prior to being delivered. This subjects the property to damage due to excessive handling and results in rapidly deteriorating supply resources which eventually are trimmed off the supply account at a loss.

IMPACT IF NOT PROVIDED: Storage space will remain below acceptable levels and critical resources will continue to deteriorate which results in degraded mission support. This project is not eligible for NATO funding.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION RAF WOODBRIDGE, UNITED KINGDOM		
4. PROJECT TITLE SUPPLY WAREHOUSE		5. PROJECT NUMBER ZFKN879001

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1)	Status:	
	(a) Date Design Started	85 APR 30
	(b) Percent Complete as of January 1986	35
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	86 JUL 31
(2)	Basis	
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3)	Total cost (c) = (a) + (b) or (d) + (e):	($000)
	(a) Production of Plans and Specifications	90
	(b) All Other Design Costs	0
	(c) Total	90
	(d) Contract	90
	(e) In-house	0
(4)	Construction start	87 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE

3 INSTALLATION AND LOCATION WUESCHHEIM AS, GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.07

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	87	421	4	0	0	0	0	0	0	512
b. END FY 1991	142	881	10	0	0	0	0	0	0	1033

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (41)	
b INVENTORY TOTAL AS OF 30 Sept 85	4,588
c AUTHORIZATION NOT YET IN INVENTORY	0
d AUTHORIZATION REQUESTED IN THIS PROGRAM	310
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f PLANNED IN NEXT THREE PROGRAM YEARS	0
g REMAINING DEFICIENCY	0
h GRAND TOTAL	4,898

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
219-943	GLCM- Base Civil Engineer Pavements and Grounds Shop	3,400 SF	310	May 85	Apr 86

9. Future Projects: None

10. Mission or Major Functions: This base will host a tactical missile group headquarters which will be responsible for management, command, control and direction of units assigned to the base including tactical missile squadrons which operate BGM-109 missiles (GLCM).

11. Outstanding pollution and safety (OSH) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION ZARAGOZA AIR BASE, SPAIN	4. COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX 1.53

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	102	956	38	0	0	0	81	172	0	1349
b. END FY 19 91	101	965	43	0	0	0	81	172	0	1362

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (3,050)	
b. INVENTORY TOTAL AS OF 30 Sep 85	56,283
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	540
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,650
f. PLANNED IN NEXT THREE PROGRAM YEARS	18,817
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	78,290

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-515	Second Echelon Medical Logistics Storage Facility	12,400 SF	540	Mar 85	Jun 86

9. Future Projects: (a) Included in Following Program (FY 88):

610-000	Consolidated Support Center	18,700 SF	2,650

(b) Typical Planned Next Three Years:

422-264	Munitions Storage Igloos	4 EA	917
442-758	RRR Equipment Storage	17,000 SF	2,300
721-312	Alter Unaccompanied Personnel Housing	216 PN	3,500
740-674	Add to and Alter Gymnasium	8,700 SF	1,250

10. Mission or Major Functions: This base hosts a tactical fighter training wing headquarters which provides management, command, control and direction for USAFE units located at Zaragoza Air Base and supports tactical fighter squadrons deployed on a rotational basis. Base supports rotational KC-135 aircraft.

11. Outstanding pollution and safety (OSH) deficiencies:

a.	Air pollution:	0
b.	Water pollution:	0
c.	Occupational safety and health:	0

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2 DATE
3 INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5 AREA CONSTR COST INDEX 1.07

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sept 85	299	2,097	56	0	0	0	0	76	64	2,598
b. END FY 19 91	312	2,301	73	0	0	0	0	76	64	2,832

7 INVENTORY DATA ($000)

a. TOTAL ACREAGE (771)	
b. INVENTORY TOTAL AS OF 30 Sept 85	34,839
c. AUTHORIZATION NOT YET IN INVENTORY	3,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,290
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,143
f. PLANNED IN NEXT THREE PROGRAM YEARS	22,419
g. REMAINING DEFICIENCY	1,960
h. GRAND TOTAL	81,451

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111-111	Alternate Launch & Recovery Surface	LS	3,550	May 80	Sep 86
141-745	CW Protection-Air Photo Interpretation Facility	2,600 SF	950	Apr 84	Oct 85
141-753	CW Protection-Squadron Operations	5,200 SF	1,940	Apr 85	Sep 86
441-758	European Distribution System-Forward Storage Warehouse	24,700 SF	1,100	Nov 83	Jun 84
721-312	Unaccompanied Enlisted Personnel Housing	192 PN	2,750	Jan 85	Jul 86
	Total		10,290		

9. Future Projects: (a) Included in Following Program (FY 88):

721-312	Unaccompanied Enlisted Personnel Housing	96 PN	1,643
721-312	Unaccompanied Enlisted Personnel Housing	384 PN	6,500
	Total		8,143

(b) Typical Planned Next Three Years:

610-142	Transportation Management Facility	4,000 SF	700
721-312	Unaccompanied Enlisted Personnel Housing	432 PN	7,507
740-000	Family Support Center	2,000 SF	105

10. Mission or Major Functions: This base hosts a wing headquarters which is responsible for management, command, control and direction for USAFE units assigned to the base and a tactical reconnaissance squadron operating RF-4C aircraft in support of tactical forces in the theater of operations. Base provides support to European Distribution System and a tenant Military Airlift Squadron (C-23).

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY	4. PROJECT TITLE ALTERNATE LAUNCH AND RECOVERY SURFACE (ALRS)

5. PROGRAM ELEMENT 2.75.94	6. CATEGORY CODE 111-111	7. PROJECT NUMBER ZYSQ879015	8. PROJECT COST ($000) 3,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTERNATE LAUNCH AND RECOVERY SURFACE (ALRS)	LS			2,722
RUNWAY	SY	63,000	34	(2,142)
TAXIWAY	SF	26,400	22	(580)
SUPPORTING FACILITIES				500
UTILITIES	LS			(200)
SITE IMPROVEMENTS	LS			(300)
SUBTOTAL				3,222
CONTINGENCY (5%)				161
TOTAL CONTRACT COST				3,383
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				186
TOTAL REQUEST				3,569
TOTAL REQUEST (ROUNDED)				3,550

10. DESCRIPTION OF PROPOSED CONSTRUCTION A 10,000 pass asphalt runway surface including overruns, with two taxitracks connecting it to the existing runway. Project includes relocations of existing runway utilities, additional drainage, and all supporting utilities.

11. REQUIREMENT: 410,846 SY ADEQUATE: 304,315 SY SUBSTANDARD: 17,131 SF

PROJECT: Construct an alternate launch and recovery surface.

REQUIREMENT: This project is required to provide necessary redundancy for aircraft launch/recovery. Each operational base needs an alternate launch and recovery surface which is dispersed from other operational pavements and from areas which are expected to be heavily damaged during airfield attacks.

CURRENT SITUATION: Zweibrucken has the lowest airfield redundancy factor in USAFE and is considered unsatisfactory. It is programmed to receive an ALRS as part of a comprehensive command-wide Air Base Survivability effort. An ALRS increases the probability for immediate aircraft sortie generation following an enemy attack. A 1984 Rand study on the viability of NATO Tactical Air power validated the importance of an ALRS. Rand estimates that against a surprise Warsaw Pact attack, ALRS will improve the ability to generate sorties by approximately 75%.

IMPACT IF NOT PROVIDED: Launch and recovery capabilities following an attack will be severely reduced due to lack of alternative airfield surfaces. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY		
4. PROJECT TITLE ALTERNATE LAUNCH AND RECOVERY SURFACE (ALRS)		5. PROJECT NUMBER ZYSQ879015

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	80 MAY 29
(b) Percent Complete as of January 1986	35
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 27

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	95
(b) All Other Design Costs	78
(c) Total	173
(d) Contract	95
(e) In-house	78

(4) Construction start 87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY	4 PROJECT TITLE CW PROTECTION- SQUADRON OPERATIONS

5 PROGRAM ELEMENT 2.75.93	6 CATEGORY CODE 141-753	7 PROJECT NUMBER ZYSQ879005	8 PROJECT COST ($000) 1,940

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CW PROTECTION-SQUADRON OPERATIONS	SF	5,200	310	1,612
SUPPORTING FACILITIES				135
UTILITIES	LS			(60)
SITE IMPROVEMENTS	LS			(50)
COMMUNICATIONS	LS			(25)
SUBTOTAL				1,747
CONTINGENCY (5%)				87
TOTAL CONTRACT COST				1,834
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				101
TOTAL REQUEST				1,935
TOTAL REQUEST (ROUNDED)				1,940

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Provides chemical warfare (CW) protection in the form of air filtration systems, contamination control areas and CW equipment storage areas. Includes CW filters, duct work and valves, airlocks, showers, processing and storage rooms, door interlock system, cabinets, benches, intercom system, control panels, blast doors and valves, reinforced concrete foundation, walls and ceiling, and all necessary supporting utilities.

11. REQUIREMENT: 7,800 SF ADEQUATE: 520 SF SUBSTANDARD: 0

PROJECT: Construct two chemical warfare cells for two existing semi-hardened squadron operations facilities.

REQUIREMENT: In a European war scenario, the threat of a chemical attack is highly likely. NATO Criteria and Standards for Tactical and Transport Airfields (6th edition), states Nuclear Biological Chemical Measures must be provided nationally. Processing cells will serve as decontamination chambers and will provide an area to decontaminate personnel prior to entering the main facility.

CURRENT SITUATION: NATO provides semi-hardened operations facilities for functions which must be performed on a continual basis during wartime and are critical to sortie generation. The functions performed in these facilities cannot be performed in a chemical protective suit while wearing a gas mask. NATO will construct a semi-hardened operational facility reducing the threat from conventional attack, but NATO criteria excludes by agreement CW protective measures. Existing facilities will not provide adequate personnel protection during a confrontation.

1. COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY		
4. PROJECT TITLE CW PROTECTION-SQUADRON OPERATIONS		5. PROJECT NUMBER ZYSQ879005

IMPACT IF NOT PROVIDED: Survival of aircrews, avionics maintenance, photo interpretation, and other essential operations personnel will be severely jeopardized in the event of a chemical attack, since the approved NATO operational facility will be without CW protection. This project is not NATO eligible.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY		
4. PROJECT TITLE CW PROTECTION-SQUADRON OPERATIONS		5. PROJECT NUMBER ZYSQ879005

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:	
(a) Date Design Started	85 APR 15
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 SEP 11
(2) Basis	
(a) Standard or Definitive Design -	Yes No X
(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	35
(b) All Other Design Costs	27
(c) Total	62
(d) Contract	35
(e) In-house	27
(4) Construction start	87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

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1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2 DATE
3 INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY		4 PROJECT TITLE EUROPEAN DISTRIBUTION SYSTEM (EDS) FORWARD STORAGE WAREHOUSE	
5 PROGRAM ELEMENT 2.75.96	6 CATEGORY CODE 442-758	7 PROJECT NUMBER ZYSQ866003	8 PROJECT COST ($000) 1,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EUROPEAN DISTRIBUTION SYSTEM (EDS) FORWARD STORAGE WAREHOUSE	SF	24,700	38	938
SUPPORTING FACILITIES				70
PAVEMENTS				(30)
SITE IMPROVEMENTS				(25)
UTILITIES				(15)
SUBTOTAL				1,008
CONTINGENCY (5%)				50
TOTAL CONTRACT COST				1,058
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				58
TOTAL REQUEST				1,116
TOTAL REQUEST (ROUNDED)				1,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame warehouse, concrete foundation and floor, structural roof system, masonry walls, fire protection system, utilities, and necessary support. Facilities to be constructed in a manner to facilitate possible future expansion.

11. REQUIREMENT: 24,740 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a supply warehouse.

REQUIREMENT: Wartime contingency situations will dictate a need to increase the number of daily aircraft sorties in order to counteract the numerical superiority of the Warsaw Pact Forces. A key to increasing the daily sortie rate is the capability to transport needed aircraft parts between bases and from dispersed warehouses to operating locations. The European Distribution System will insure logistics requirements to support an additional 300 to 600 sorties per day in Europe. In peacetime, the European Distribution System will provide an increased level of force readiness presently unattainable.

CURRENT SITUATION: A rapid resupply does not presently exist in the European theater. Bases now depend on overland transportation as the main mode for moving supply requisitions. Transporting supplies over land is time consuming and has resulted in aircraft being out of commission for excessive periods of time due to delays in receiving or the nonavailability of needed spare parts. In a wartime situation excessive delays in returning damaged aircraft to service will be detrimental to the war fighting effort.

IMPACT IF NOT PROVIDED: The European supply system will continue to depend on the existing slow and unreliable shipping procedures to fill logistics requirements. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY		
4. PROJECT TITLE EDS-FORWARD STORAGE WAREHOUSE		5. PROJECT NUMBER ZSYQ866003

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:		
	(a) Date Design Started	83 NOV 22
	(b) Percent Complete as of January 1986	100
	(c) Percent Complete as of October 1986	100
	(d) Date Design Complete	84 JUN 30
(2) Basis		
	(a) Standard or Definitive Design - Yes	No X
	(b) Where Design Was Most Recently Used - N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e):		($000)
	(a) Production of Plans and Specifications	40
	(b) All Other Design Costs	42
	(c) Total	82
	(d) Contract	46
	(e) In-house	36
(4) Construction start		87 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY	4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING

5. PROGRAM ELEMENT 2.75.96	6. CATEGORY CODE 721-312	7. PROJECT NUMBER ZSYQ879012	8. PROJECT COST ($000) 2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNACCOMPANIED ENLISTED PERSONNEL HOUSING (192 PN)	SF	36,500	56	2,044
SUPPORTING FACILITIES	LS			445
UTILITIES	LS			(215)
SITE IMPROVEMENTS	LS			(110)
PAVEMENTS	LS			(75)
COMMUNICATIONS SUPPORT	LS			(45)
SUBTOTAL				2,489
CONTINGENCY (5%)				124
TOTAL CONTRACT COST				2,613
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				144
TOTAL REQUEST				2,757
TOTAL REQUEST (ROUNDED)				2,750

10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete frame building with concrete floors, foundation and roof, masonry walls, fire protection system, utilities and necessary support. Functional areas include bedrooms, semi-private bathrooms, closets, lounges, centralized storage, laundry areas, and support space. Grade Mix: 192 E1-E4

11. REQUIREMENT: 1,077 PN ADEQUATE: 138 PN SUBSTANDARD: 754 PN

PROJECT: Construct an unaccompanied enlisted housing facility.

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates. The Air Force should remove this irritant in order to maintain an effective force of experienced airmen.

CURRENT SITUATION: There are not enough facilities to accommodate the on base requirement. Personel are forced to live off-base in either substandard quarters or compete with married personnel for the limited local expensive rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base.

IMPACT IF NOT PROVIDED: Adequate living quarters for unaccompanied enlisted personnel will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction. This project is not eligible for NATO funding.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION ZWEIBRUCKEN AIR BASE, GERMANY		
4. PROJECT TITLE UNACCOMPANIED ENLISTED PERSONNEL HOUSING		5. PROJECT NUMBER ZSYQ879012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:

(a) Date Design Started	85 JAN 15
(b) Percent Complete as of January 1986	45
(c) Percent Complete as of October 1986	100
(d) Date Design Complete	86 JUL 30

(2) Basis
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used - N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	74
(b) All Other Design Costs	104
(c) Total	178
(d) Contract	101
(e) In-house	77

(4) Construction start 87 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

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DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE		REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
ACCESS ROADS					
ACCESS ROADS		32,700	32,700		1061
	BASE SUBTOTAL:	32,700	32,700		
	COMMAND TOTAL:	32,700	32,700		

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS	4 PROJECT TITLE ACCESS ROADS

5 PROGRAM ELEMENT 7.28.96/ 1.12.15/ 8.57.96	6 CATEGORY CODE 851-147	7 PROJECT NUMBER	8 PROJECT COST ($000) 32,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACCESS ROADS	LS			32,700

10 DESCRIPTION OF PROPOSED CONSTRUCTION Finance construction of: (1) new off-station entrances for Air Force activities or new connections between Air Force activities; (2) urgently needed improvements of existing highways serving activities; (3) the Federal Government's share of cost of relocating highways severed by expansion or construction of new Air Force facilities; (4) alterations to roads near Air Force activities to accommodate special military vehicles; and (5) contractor damage to roads servicing missile bases. Funds provided will be transferred to the Federal Highway Administration of the Department of Transportation which is responsible for assuring proper execution of the work under Title 23 U.S. Code 210

11. REQUIREMENT: As Required.

These funds are required to provide access roads under authorization contained in Title 23 U.S. Code 210, as amended. Access road items are required for construction, improvement, replacement or relocation of public highways necessitated by construction of new or expansion of existing Air Force activities which result in a sudden and significant impact on the adjacent highway system. Such items are also vital for relocation of highways to satisfy airway-highway or explosive-clearance criteria. Highways located within the boundaries of a military reservation are not eligible for financing from these funds. Projects in the regular Federal Aid Primary Systems are not normally considered eligible for financing with these funds (exceptions may occur for cases such as special vehicles, weapons safety, or other extraordinary impact generated by Air Force requirements).

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		
4. PROJECT TITLE ACCESS ROADS		5. PROJECT NUMBER

PEACEKEEPER-ACCESS ROADS SCOPE: LS COST: $14,500
F.E. WARREN AFB WY
GHLN871605

Public road upgrade will be required to accommodate the additional traffic and loads created by the Peacekeeper vehicles. Roads are needed for a variety of personal and official vehicles to move missile components, supplies and personnel from home to work and from the support base to the deployment area. Specific routes for the Peacekeeper support within the FE Warren AFB vicinity have been selected. The roads connecting the deployment area to the F.E. Warren AFB are not adequate to meet the needs of the Peacekeeper missile system. This is the third phase of Defense Access Road upgrade to support the Peacekeeper program.

ACCESS ROAD SCOPE: LS COST: $15,000
WRIGHT-PATTERSON AFB OH
ZHTV863246

Adequate state highway access roads to Wright-Patterson AFB are required to facilitate the traffic flow and significantly reduce congestion at gate 12A (AFLC headquarters). A bottle neck has existed for over 20 years along a two lane stretch of Colonel Glenn highway approaching the base. Congestion is accentuated by two railroad grade crossings, a 5 way intersection and a 4 way intersection, all within 300 yards of this gate. This project will provide approximately two-thirds of the funds needed to construct a new connector road from I-675 to the base. This new road will provide direct access between the base and the interstate highway system and will relieve the congestion on the existing road net.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

VARIOUS LOCATONS

4. PROJECT TITLE ACCESS ROADS	5. PROJECT NUMBER

ACCESS ROAD SCOPE: LS COST: $3,200
KEESLER AFB MS
MAHG850905

Public road upgrade is required to accommodate traffic created by a variety of personal and official vehicles entering and leaving Keesler AFB. The roads connecting US and Interstate highways to various base gates have deteriorated due to heavy traffic. The existing pavements have extensive cracking and patching of the surfaces. The traffic flow is restricted due to the low speeds and rough riding caused by the poor roadway conditions. Overlaying of five roads is included in this project including W. Howard Ave., Meadows Drive, Forest Ave., Division Street and Rodenberg Ave. This is the fourth and final phase of work under the Defense Access Road program to provide adequate roadways connecting the base to the highway system.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS	4. PROJECT TITLE ENERGY CONSERVATION

5. PROGRAM ELEMENT	6. CATEGORY CODE 800-000	7. PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 9,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENERGY CONSERVATION	LS			9,470
				9,470

AN ADDITIONAL $10 MILLION OF PROJECT AUTHORIZATION ONLY IS REQUESTED ON PAGE 1070 TO PERMIT USE OF PRIOR YEARS ENERGY FUNDS FOR ENERGY PROJECTS.

10. DESCRIPTION OF PROPOSED CONSTRUCTION Includes modification of existing facilities and energy consuming systems to conserve energy and reduce consumption of fossil fuels.

11. REQUIREMENT: As required.

PROJECT: Improve, alter, upgrade and repair existing structures and utility systems to reduce unnecessary energy consumption.

REQUIREMENT: The National Energy Conservation Policy Act (NECPA) required least life-cycle cost energy conservation retrofits in all buildings over 1,000 sq ft by 1990. Also, the Act required a 25% reduction in energy consumption in existing facilities by 1990 as compared with 1975.

CURRENT SITUATION: The buildings and utility systems were designed and constructed using criteria from an earlier, less energy conscious era. High fuel costs and a decreasing energy supply make it economically unfeasible and imprudent to not change these conditions.

IMPACT IF NOT PROVIDED: The serious waste of energy will continue at a time when energy prices are high and supplies are expected to decline.

ADDITIONAL: The energy conservation program includes all categories of work that save building energy. Some examples follow:

Heating, Ventilation and Air Conditioning (HVAC)

The majority of HVAC systems were designed when energy was inexpensive and abundant. As a result, high energy consuming systems were installed with low first cost as the main consideration. New HVAC systems and components have since been developed which are energy efficient. Examples of retrofit projects which take advantage of these new

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION VARIOUS LOCATIONS		
4 PROJECT TITLE ENERGY CONSERVATION (CONT'D)		5 PROJECT NUMBER

innovations are replacement of terminal reheat systems with variable air volume systems and installation of economizer controls on existing HVAC equipment to eliminate the need for refrigeration equipment operation during the winter months.

Lighting Systems
New technologies in lighting system components have led to the development of energy efficient lamps, i.e. high pressure sodium (HPS) or low pressure sodium vapor (LPSV). These new lamps consume from 25 percent to 50 percent less energy than fluorescent lamps.

Weatherization
These projects involve achieving maximum energy efficient for given climatic conditions, including insulation, storm windows and doors, caulking, weatherstripping, etc.

Boiler Plant Modifications
Projects include replacement of deteriorated and inefficient equipment, improved boiler controls, economizers and the installation of small individual boilers to eliminate long sections of distribution lines.

Steam and Condensate Systems
Project involves the replacement of deteriorated and leaking distribution systems with little or no condensate return with new, well insulated systems.

Energy Monitoring and Control Systems (EMCS)
Installation of specialized equipment designed to monitor interior and exterior environmental conditions and automatically control building operations or alert personnel to the need for adjustments to save energy and improve maintenance.

Solar
Installation of building systems to use the energy of sunlight to provide part of the necessary services such as domestic hot water (DHW).

Energy Recovery System
Installation of systems to recover heat or primary energy from processes.

Radio Controlled Systems (RCS)
These systems perform essentially the same function as an EMCS but by radio signal transmission. They provide automatic control of temperature, duty cycling, and demand at remote facilities where it would not be cost effective to install hard wire communications.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS

4. PROJECT TITLE ENERGY CONSERVATION (CONT'D)	5. PROJECT NUMBER

INSTALLATION/LOCATION	COST ($000)	PROJECT DESCRIPTION
ARIZONA		
Davis Monthan (TAC) FBNV853006	230	ALTER HVAC: Replace a steam-fired absorber with an electric chiller. Convert the air distribution system to variable volume. SIR: 2.7 DPB: 5.0 yrs
FLORIDA		
Tyndall (TAC) XLWU871001	600	FACILITY ENERGY IMPROVEMENTS: Modify mechanical systems with new controls and modern equipment to improve energy efficiency in one medical facility. SIR: 3.2 DPB: 4.1 yrs
MARYLAND:		
Andrews (MAC) AJXF880809	430	ALTER LIGHTING SYSTEMS: Install energy efficient lamps, ballasts, and fixtures in several buildings. SIR: 3.3 DPB: 5.0 yrs
MICHIGAN		
Wurtsmith (SAC) ZJXD840011	320	BOILER IMPROVEMENTS: Upgrade boiler by providing compressed air for better combustion, and installing combustion heat reclaim units. Insulate fuel tanks to improve efficiency of burning during winter months. SIR: 11.8 DPB: 1.1 yrs

SIR: SAVINGS TO INVESTMENT RATIO
DPB: DISCOUNTED PAYBACK

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		
4. PROJECT TITLE ENERGY CONSERVATION (CONT'D)		5. PROJECT NUMBER

INSTALLATION/LOCATION	COST ($000)	PROJECT DESCRIPTION
MISSISSIPPI		
Keesler (ATC) MAGH860908	1,970	FACILITY ENERGY IMPROVEMENT: Weatherize and alter mechanical systems in several buildings. SIR: 1.9 DPB: 5.0 yrs
NEBRASKA		
Offutt (SAC) SGBP81000B	2,680	FACILITY ENERGY IMPROVEMENTS: Seal windows, insulate walls and ceilings; modify HVAC controls and add heat recovery. SIR: 5.2 DPB: 4.4 yrs
NORTH DAKOTA		
Minot (SAC) QJVP810000	250	ALTER HEATING SYSTEMS: Modify heating controls to reduce outside air intake. SIR: 7.2 DPB: 3.0 yrs
VIRGINIA		
Langley (TAC) WUHJ863013 and MUHJ871001	1,640	UPGRADE HEATING SYSTEMS: Install radiant heaters in high bay areas of several buildings and replace oil-fired or steam heating system with gas-fired systems. SIR: 1.8 DPB: 4.6 yrs
WASHINGTON		
Fairchild (SAC) GJKZ830000	1,350	WEATHERIZE: Insulate ceilings and replace windows and overhead in several buildings. SIR: 4.1 DPB: 4.8 yrs

SIR: SAVINGS TO INVESTMENT RATIO
DPB: DISCOUNTED PAYBACK

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION VARIOUS	4. COMMAND VARIOUS	5. AREA CONSTR COST INDEX

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF										
b. END FY 19										

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE
b. INVENTORY TOTAL AS OF
c. AUTHORIZATION NOT YET IN INVENTORY
d. AUTHORIZATION REQUESTED IN THIS PROGRAM
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM
f. PLANNED IN NEXT THREE PROGRAM YEARS
g. REMAINING DEFICIENCY
h. GRAND TOTAL

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
*800-000	Energy Conservation Investment	LS	10,000		
	Total		10,000		

* Project authorization only is requested. Authorization for appropriation is not requested. Sec 603 in Authorization Bill requests authority to use FY 87 and prior Energy Appropriations for this work.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS	4 PROJECT TITLE ENERGY CONSERVATION INVESTMENT PROGRAM

5 PROGRAM ELEMENT VARIOUS	6 CATEGORY CODE 800-000	7 PROJECT NUMBER VARIOUS	8 PROJECT COST ($000) 10,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VARIOUS LOCATIONS - ENERGY CONSERVATION INVESTMENT PROGRAM PROJECTS	LS			10,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION If in FY 1987 and prior years, funds appropriated for energy projects cannot entirely be utilized for those specific projects due to cost reductions or other reasons, this package in conjunction with Section 603 would allow those funds to be used for other energy projects, upon notification of the Armed Services and Appropriations Committees. This will ensure that Military Construction funds appropriated for energy are used for energy projects. This requests project authorization only (authorization for appropriation is not requested) for various energy conservation projects. The projects in this $10 million request would be accomplished only if the funds available for the other energy projects had not be completely utilized for the specific energy projects initially approved.

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE		REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
PLANNING AND DESIGN					
VARIOUS LOCATIONS		127,260	127,260		1072
	BASE SUBTOTAL:	127,260	127,260		
	COMMAND TOTAL:	127,260	127,260		

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS	4 PROJECT TITLE PLANNING AND DESIGN

5 PROGRAM ELEMENT 9.12.11	6 CATEGORY CODE 010-111	7 PROJECT NUMBER	8 PROJECT COST ($000) 127,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN	LS			127,260

10 DESCRIPTION OF PROPOSED CONSTRUCTION The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction Programs.

REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY 88 Military Construction Program, initiate design of facilities in the FY 89 Military Construction Program and accomplish planning and design for major and complex technical projects to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of construction management activities of projects that are funded by foreign governments.

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DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM

FY 1987

INSTALLATION AND PROJECT TITLE	REQUESTED AUTH	REQUESTED FUNDING	% DES	PAGE
UNSPECIFIED MINOR CONSTRUCTION				
VARIOUS LOCATIONS	16,000	16,000		1073
BASE SUBTOTAL:	16,000	16,000		
COMMAND TOTAL	16,000	16,000		

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS	4 PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION

5 PROGRAM ELEMENT 9.12.11	6 CATEGORY CODE 010-211	7 PROJECT NUMBER VARIOUS	8 PROJECT COST ($000) 16,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS			16,000
TOTAL REQUEST				16,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost of $1,000,000 or less, including construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC 2805.

REQUIREMENT: This package provides the means of accomplishing urgent projects that are not now identified but which are anticipated to arise during FY 87. Included would be projects to support new mission requirements, support of new equipment and concepts and other essential support to Air Force missions and functions that could not wait until availability of FY 88 Military Construction Program funds. 10 USC 2805 provides authority to the secretaries of the military departments to accomplish projects of this nature.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VARIOUS	4 PROJECT TITLE PROJECTS $1 MILLION AND UNDER

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Following are individual justification paragraphs for all projects $1 million and under.

VARIOUS LOCATIONS - WITHIN THE UNITED STATES
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER	5. PROJECT NUMBER	

STATE AND LOCATION	PROJECT TITLE	COST ($000)
ALASKA		
Eielson AFB (AAC) FTQW800049	SECURITY FENCE	990

Construct a security fence to deny entry to a military installation and to establish a visible demarcation of the installation boundary. The base boundary adjacent to the runway is currently marked with signs every 100 yards. There is uncontrolled access to the base property, facilities and aircraft. The security patrols cannot provide adequate deterrence to persons/terrorists or animals who may breach the perimeter of the base. The base will be subject to unauthorized entry which could lead to pilferage or termination of activities.

ALABAMA		
Maxwell AFB (AU) PNQS832032	CHAPEL ANNEX	510

Construct a 4,000 SF annex to a base chapel to provide sufficient space to accommodate the religious education program on the base. Currently, this program is being conducted in the annex to another chapel and in borrowed space in a base school. The existing chapel annex only provides half of the needed space and the borrowed space is over one mile from the chapels. These makeshift arrangements severely hamper the conduct of a fully adequate and comprehensive religious education program for the military community.

ARIZONA		
Holbrook RBS (SAC) SGER882502	STRATEGIC TRAINING RANGE (STR) SITE - PURCHASE UNACCOMPANIED ENLISTED PERSONNEL HOUSING/LAND ACQUISITION	630

Acquire existing facilities to provide adequate living quarters for 24 permanently assigned enlisted personnel stationed at this site. Project will include purchase of existing townhouses which includes land (17 acres), kitchen facilities, utilities, streets, parking, walks, storm drainage, telephones and site improvements. The STR sites represent a continuing concept in providing bomber flight crews with concentrated and realistic proficiency training on a regular basis.

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This training is concentrated on low level penetration and weapon delivery tactics along the previously established STR route. These permanently manned sites provide the ground threat training required to insure bomber crew skills are maintained at peak proficiency. A wide variety of threats can be directed at the air crews from these sites. The location of the strategic training range sites in Maine, Kentucky, Colorado, Arizona, Idaho and Guam enables local area bases to utilize all means of defensive tactics training in maintaining crew proficiency. Adequate housing is needed for personnel manning the site. No dormitory/dining facilities exist at Holbrook. Unaccompanied enlisted personnel are required to "team up" to be able to afford off-base housing that is expensive and not to DOD standards. Owners of these units are providing minimal, if any, maintenance. These conditions along with the high cost of utilities makes this situation unacceptable. Construction of a new dormitory was proposed for FY 87 at $991,000; however, the opportunity to purchase these existing units offers a 60.4 percent savings on MILCON funds. These units are considered adequate with each individual having a private bedroom and sharing common living area, including kitchen and latrine facilities. If this project is not provided, personnel will be forced to continue to live in substandard high-cost housing. Also, the company offering this property to the US Air Force will not hold these units for an indefinite period; therefore, funding is not provided, future programming to meet the needs of Ai rce personnel will be at significantly higher cost.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Luke AFB (TAC) NUEX893003	NONDESTRUCTIVE INSPECTION FACILITY	740

Aircraft components require inspection and analysis on a periodic basis to insure operational safety and reliability. A totally enclosed space is needed where aircraft components requiring specialized material testing can be exposed to various X-ray, ultrasonic, optical, magnetic and electronic processes and techniques for determining condition without exposing personnel to radiation and other harmfull effects emitted during tests. A facility near the flightline is needed to insure quick turnarounds and safe aircraft components. Existing inadequate, substandard, scattered space is being used for the testing of removable aircraft components. Poor configuration precludes satisfactory functional arrangement. Without this project, inefficient and hazardous testing will continue, thereby adversely effecting aircraft availability and safety.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Luke AFB (TAC) NUEX863010	MEDICAL WAR RESERVE MATERIAL FACILITY	720

Construct an 8,100 SF facility to accommodate the peacetime storage of medical War Readiness Material (WRM) resources. These resources include supplies and equipment to support expansion of the local hospital for contingencies and an air transportable hospital to be deployed in support of contingencies. Currently, there are no adequate facilities to support this critical storage requirement. WRM is presently stored in borrowed space in part of a deteriorated wood frame building. The space is not environmentally controlled which causes premature deterioration and forces accelerated replacement of the stored materials.

ARKANSAS

Blytheville AFB (SAC) BWKR860093	PETROLEUM OPERATIONS FACILITY	540

Construct new petroleum operations facility to replace existing space currently in three separate and widely scattered buildings. One building was once a residential farm house, wood frame, over thirty years old. It is structurally unsound due to age, deterioration and termite damage. It houses the main fuels laboratory, administrative, accounting, training and supervisory offices. The fuels control center and drivers' lounge are in an upstairs room of a flightline hangar one-half mile from the refueling vehicle parking area and one and one-half miles from the fuels lab building. The third building is a small facility used for tool storage and is also one and one-half miles from the fuels lab. A properly sized and configured facility effectively and efficiently controls aircraft fuels. The present location and arrangement of the existing facilities precludes proper monitoring refueling vehicles, coordinating activities, distributing fuels and effective quality control. Lack of a new consolidated facility will reduce the operational effectiveness of insuring quality fuels are available for aircraft operations.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Blytheville AFB (SAC) BWKR860092	ADD TO AND ALTER TARGET INTELLIGENCE FACILITY	820

Construct a 4,470 SF addition to and alter the existing target intelligence facility to provide adequate space for storage and handling of classified materials used in combat missions. Project includes an addition with reinforced concrete footings, floor slab, walls and steel frame roof. Areas include classified storage vault, work area, storage, mechanical room, security measures, utilities, communications support and air conditioning. Additional space is required for crew study and briefings due to an increase in aircraft and alert crew requirements created by the beddown of the cruise missile and the introduction of Offensive Avionics System (OAS) equipped B-52 aircraft at this base. The existing facilities are too small and not properly configured to accommodate the new requirements. Existing study areas are shared by bomber and tanker crews, briefing space is limited, work and storage areas lack sufficient space, there are no female restrooms and adequate air conditioning is lacking. Target intelligence activities in support of combat missions will continue to operate out of substandard and inadequate facilities which reduces operational effectiveness. This could be detrimental to the base mission and national security.

CALIFORNIA

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Beale AFB (SAC) BAEY871002	KC-135 COCKPIT PROCEDURES TRAINER (CPT) SIMULATOR FACILITY	890

Construct a 3,500 SF facility to house CPT equipment scheduled to be refurbished and modernized in support of KC-135 aircraft. Adequate space is required to house this equipment and provide training for pilots and copilots in cockpit procedures. Existing equipment and training is being accommodated in two mobile railroad cars stationed on-base. These railroad cars are too small, not properly configured and do not have adequate environmental control, power or electrical and mechanical systems to support the refurbished CPT equipment. The existing equipment is subject to frequent failures and shutdowns during extreme hot and cold weather because of insufficient insulation and environmental controls.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Beale AFB (SAC) BAEY861005	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	710

Provides support construction, concrete pad and utilities necessary for the installation of a T-9 noise suppressor scheduled for delivery in January 1988. A noise suppressor is required to eliminate health/occupational safety hazards and environmental problems associated with high noise levels created during aircraft engine tests. It is also required to comply with the stringent requirements for the control of noise and air pollution as established by state laws. Jet engines are currently being tested on test stands that do not have noise suppression capabilities. The noise and vibration generated during an engine run-up are disruptive, create an extreme environmental danger to personnel in the vicinity, and are a nuisance to other activities, both on base and in the surrounding community. Existing test stands will be disposed of upon completion of this project.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Beale AFB (SAC) BAEY840010	SECURITY IMPROVEMENTS	400

Provides security improvements and support construction for the essential minimum protection for flightline and industrial complexes and other critical support areas on base. These improvements consist of 3,000 linear feet of fence and 55 each perimeter lights around the reconnaissance aircraft parking apron. They are required to enhance the effectivenesss of the security police force to detect intrusions and unauthorized entry to SR-71, U-2 and TR-1 aircraft parking and maintenance areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Major security deficiencies exist which limit visual assessment, detection and response capabilities. Lack of adequate security measures subjects our reconnaissance aircraft and other critical resources to potential damage from sabotage, vandalism, theft, protesters, terrorists, etc. Failure to upgrade security would have an adverse impact on the reconnaissance mission of the base which would be detrimental to national security.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Castle AFB (SAC) DESR860803	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	830

Provides support construction, concrete pad and utilities necessary for the installation of a T-9 noise suppressor scheduled for delivery in July 1987. A noise suppressor is required to eliminate health/occupational safety hazards and environmental problems associated with high noise levels created during aircraft engine tests. It is also required to comply with the stringent requirements for the control of noise and air pollution as established by state laws. Jet engines are currently being tested on test stands that do not have noise suppression capabilities. The noise and vibration generated during an engine run-up are disruptive, create an extreme environmental danger to personnel in the vicinity, and are a nuisance to other activities, both on base and in the surrounding community. Existing test stands will be disposed of upon completion of this project.

March AFB (SAC) PCZP860002	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	840

Provides support construction, concrete pad and utilities necessary for the installation of a T-9 noise suppressor scheduled for delivery in July 1987. A noise suppressor is required to eliminate health/occupational safety hazards and environmental problems associated with high noise levels created during aircraft engine tests. It is also required to comply with the stringent requirements for the control of noise and air pollution as established by state laws. Jet engines are currently being tested on test stands that do not have noise suppression capabilities. The noise and vibration generated during an engine run-up are disruptive, create an extreme environmental danger to personnel in the vicinity, and are a nuisance to other activities, both on base and in the surrounding community. Existing test stands will be disposed of upon completion of this project.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Mather AFB (ATC) PLXL858015	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	740

Provides support construction, concrete pad and utilities necessary for the installation of a T-9 noise suppressor scheduled for delivery in July 1987. A noise suppressor is required to eliminate health/occupational safety hazards and environmental problems associated with high noise levels created during aircraft engine tests. It is also required to comply with the stringent requirements for the control of noise and air pollution as established by state laws. Jet engines are currently being tested on test stands that do not have noise suppression capabilities. The noise and vibration generated during an engine run-up are disruptive, create an extreme environmental danger to personnel in the vicinity, and are a nuisance to other activities, both on base and in the surrounding community. Existing test stands will be disposed of upon completion of this project.

Sunnyvale AFS (AFSC) WMSJ871011G	ALTER AUTOMATED REMOTE TRACKING STATION FACILITY	600

Alter a 2,000 SF facility for development, modifications, testing and checkout of Automated Remote Tracking Station (ARTS) equipment. Project provides architectural and primary electrical support alteration. This facility is required to support the testing of equipment changes and modifications required during the life of the system. The facility will also be used as a training center for operation and maintenance personnel. The ARTS will be installed and collocated with the Consolidated Space Operations Center (CSOC).

COLORADO

Air Force Academy (USAFA) XQPZ840084	ADD TO AND ALTER BASE CIVIL ENGINEERING FACILITIES	990

Construct a 9,900 SF addition to and alter 8,200 SF of the base civil engineering facilities to accommodate the management and engineering functions of the base civil engineering activity. These functions are now located in all or part of four facilities, one of which has deteriorated beyond economical repair. There is a shortage of space for engineering reference materials, drawings and reproduction activities. This project will provide the necessary space to adequately support these functions and will permit the disposal of one substandard building.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Air Force Academy (USAFA) XQPZ830358A0	ADD TO AND ALTER SECURITY POLICE FACILITY	600

Construct a 3,000 SF addition to and alter 3,700 SF of a security police facility. These functions are now housed in 3 inadequate buildings that only provide about three quarters of the required space. In addition, two of these buildings have deteriorated beyond economical repair. The shortage of space, coupled with fragmented operations, contribute to severe limitations on security police operations at the AF Academy. This project will provide adequate space to properly accommodate these functions and will allow for the disposal of two substandard facilities.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Air Force Academy (USAFA) XQPZ870044A	LAND ACQUISITION	230

Acquire 128 acres of land for use for a runway to support cadet pilot orientation. The air training programs at the Academy (glider, powered glider, parachuting, and T-41 pilot indoctrination training) have increased significantly since the airfield construction in 1975. With the soar-for-all program, increased participation in the parachute program and the T-41 program, there are currently 260,000 aircraft movements on the airfield per year. Due to different aircraft performance characteristics, proper safety precludes the T-41 aircraft from using the same runway as the gliders and powered gliders. When the UV-18 parachute aircraft takes off or lands, the separation between aircraft has to increase by 250% to allow wake turbulence to settle. This limits the number of landings for the T-41 aircraft to 40 aircraft movements per hour, which is 80% of the required movement to meet cadet training requirements. This project will provide land for an additional runway to correct this potentially dangerous flying safety hazard.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Peterson AFB (SPC) TDKA867000	ADD TO AND ALTER SECURITY POLICE FACILITY	590

Construct a 4,900 SF addition to and alter the existing security police facility. A properly sized and configured facility is required for base security police to accommodate security control, law enforcement and resource protection functions. These security police are responsible for protecting facilities, aircraft and personnel at Peterson AFB, HQ Space Command and Falcon AFS. The existing facilities are extremely overcrowded because of recent and planned mission increases. They were sized to accommodate law enforcement at Peterson AFB. However, the security police function has been assigned additional security responsibility of essential functions as the Satellite Communications facility and Space Command Headquarters. Training support for 109 security police personnel to be assigned to Falcon AFS will exacerbate the current overcrowded conditions. Without this project, physical security of Air Force priority resources and management of security police resources will be critically impaired.

Peterson AFB (SPC) TDKA874000	TROOP SUBSISTENCE STORAGE FACILITY	990

Construct an 8,600 SF troop subsistence storage facility. A storage facility of adequate size and configuration with adequate environmental controls is required to accommodate items for troop subsistence. This storage must be readily accessible to base dining facilities for day-to-day use. Existing troop subsistence supplies are stored in shared space at the USAF Academy, 16 miles from Peterson AFB, and in Denver, 60 miles away. Personnel presently drive three sixty-mile round trips per week to pick up troop subsistence supplies for the dining halls. The activation of Falcon AFS in 1987 will increase storage requirements beyond present capacity. If this project is not provided, storage space for troop subsistence items will be insufficient. This will impair the capability of dining facilities to accommodate increase in patronage.

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FLORIDA		
Eglin AFB (SYS) PTFA871011C	NONDESTRUCTIVE INSPECTION LABORATORY	720

Construct a 4,000 SF Nondestructive Inspection (NDI) Laboratory. A facility of adequate size and configuration with proper environmental controls is required to perform nondestructive inpection of aircraft components. The NDI lab investigates the quality, integrity, properties and dimensions of materials and components without damaging or impairing their serviceability by use of optical, penetrant, magnetic, ultrasonic, infrared, ultraviolet and X-ray techniques. The present facility was built in 1956 and does not satisfy the requirements for an NDI lab. There are no humidity controls for the oil analysis; no space available for X-ray film viewing; the X-ray exposure room is too small; and the building is not located on the flight line where the majority of the work is required. Aircraft must be towed across two major streets and up an incline for 500 feet causing an additional load to be placed on the nose gear strut which causes damage, hydraulic leaks and failures. The existing building is located adjacent to the testing range and vibrations created during the firing have cracked the exterior walls. Without this project, the NDI lab will not be able to provide the inspection and evaluation services required.

Homestead AFB (TAC) KYJL873010	SOUND SUPPRESSOR SUPPORT	730

Construct a concrete pad with foundation and deflector walls for a power check pad facility complete with sound suppressor (from other appropriations). This suppressor is required to eliminate health, occupational safety and environmental problems associated with high noise levels created by jet engine tests.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Homestead AFB (TAC) KYJL863009	MEDICAL WAR RESERVE MATERIAL FACILITY	770

Construct an 8,100 SF facility to accommodate the peacetime storage of medical War Readiness Material (WRM) resources. These resources include supplies and equipment to support expansion of the local hospital for contingencies, and two air transportable clinics and a hospital to be deployed in support of contingencies. Currently, there are no adequate facilities to support this critical storage requirement. The majority of the WRM resources are presently stored in a small substandard wood frame facility that has deteriorated beyond economical repair. The space is not environmentally controlled which causes premature deterioration and replacement of stored materials. In addition, the dispersed operation reduces security and control of the medical resources.

MacDill AFB (TAC) NVZR863009	MEDICAL WAR RESERVE MATERIAL FACILITY	780

Construct a 9,200 SF facility to accommodate the peacetime storage of medical War Readiness Material (WRM) resources. These resources include supplies and equipment to support expansion of the local hospital for contingencies, a blood donor center, two air transportable clinics and one hospital to be deployed in support of contingencies. Currently, there are no adequate facilities to support this critical storage requirement. WRM is presently stored in several borrowed locations throughout the base. Most of this space is not environmentally controlled which causes premature deterioration and replacement of stored materials. In addition, the dispersed operation reduces security and control of the medical resources.

GEORGIA

Moody AFB (TAC) QSEU873010	AFCC MAINTENANCE FACILITY	900

Construct a 6,000 SF masonry facility. This facility will consolidate NAVAIDS, radar, radio, weather, teletype and closed circuit TV maintenance activities. The consolidation will remove these activities from six inadequate facilities, provide a more economical facility and support the cross utilization training program for personnel specialities.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Robins AFB (AFLC) UHHZ870017	SOUND SUPPRESSOR SUPPORT	740

Provides support construction, concrete pad and utilities required for the installation of a sound suppressor scheduled for delivery in February 1988. A sound suppressor is required to eliminate health and occupational safety hazards and environmental problems associated with high noise levels created by aircraft engine tests.

Robins AFB (AFLC) UHHZ870025	KC-135 COCKPIT PROCEDURES TRAINER (CPT) SIMULATOR FACILITY	660

Construct a 3,500 SF facility to house CPT equipment scheduled to be refurbished and modernized in support of KC-135 aircraft. Adequate space is required to house this equipment and provide training for pilots and copilots in cockpit procedures. Existing equipment and training is being accommodated in two mobile railroad cars stationed on-base. These railroad cars are too small, not properly configured and do not have adequate environmental control, power or electrical and mechanical systems to support the refurbished CPT equipment. The existing equipment is subject to frequent failures and shutdowns during extreme hot and cold weather because of insufficient insulation and environmental controls.

IDAHO

Mountain Home AFB (TAC) QYZH860009	SOUND SUPPRESSOR SUPPORT	700

Construct a conrete pad with foundation and deflector walls for a power check pad facility complete with sound suppressor (from other appropriations). This suppressor is required to eliminate health, occupational safety and environmental problems associated with high noise levels created by jet engine tests.

Mountain Home AFB (TAC) QYZH873005	ADAL VEHICLE MAINTENANCE SHOP	520

Construct 4,000 SF addition to and alter existing vehicle maintenance shop to provide an environmentally safe body repair area. This addition will provide an isolated, properly ventilated work area for sanding, welding and other vehicle body repair actions. This project eliminates a significant occupational health problem.

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Mountain Home AFB (TAC) QYZH873002	NAVAIDS/COMMUNICATION MAINTENANCE SHOP	840

Construct a 4,500 SF addition to and alter existing NAVAIDS/Communication shop to consolidate all NAVAIDS/communications maintenance and provide adequate work center, storage and administrative space. Facility will improve reliability of aircraft navagational equipment.

INDIANA

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Grissom AFB (SAC) CTGC790058	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	850

Construct a 3,000 SF combat arms training and maintenance building with a 14-point rifle and a 2-point machine gun firing range for weapons training. Project includes classrooms, weapons storage and maintenance, mechanical and administrative support space, targets, firing points, baffle system, utilities, fire protection and air conditioning. These facilities are required to train over 2,760 military personnel annually. Existing facilities provide training for only 1,700 personnel annually in pistol training at an indoor range. There are no facilities for rifle, machine gun or grenade launcher training. Of two off base ranges available, one is at Camp Atterburg but cannot be used due to poor safety conditions, "bounce back" ricochets and scheduling conflicts with the Army. The other is at Wright-Patterson AFB, Ohio which is 100 miles away. Currently twenty people per day with weapons and ammunition are sent to Wright-Patterson for rifle and machine gun training which is expensive and time consuming. The indoor range at Grissom is too small for classroom use, storage, maintenance and administrative support. Also, lead levels in the air in this facility are too high from heavy usage which presents a health hazard for personnel using the range. Without this project, full combat readiness training requirements cannot be met and existing training will continue under adverse, hazardous and substandard conditions. This would be detrimental to the base's capability to defend itself and protect high priority resources under its control.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
KANSAS		
McConnell AFB (SAC) PRQE862513	SECURITY IMPROVEMENTS	960

Provides security improvements and support construction for the essential minimum protection for flightline and industrial complexes and other critical support areas on base. These improvements consist of 36,000 linear feet of fence with vehicle access and personnel gates as necessary around the aircraft parking and maintenance areas. They are required to enhance the effectivenesss of the security police force to detect intrusions and unauthorized entry to these resources and critical support areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Existing security measures in and around these areas are either non-existent or are minimal. There is no finite line of demarcation that indicates to unauthorized personnel that there is a limit to the access that is legally permitted in certain areas. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base. Lack of these security improvements subjects these sensitive components to easy access and possible damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission and would be detrimental to national security.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
MICHIGAN		
K.I. Sawyer AFB (SAC) LWRC810203	ADD TO AND ALTER COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	740

Construct a 1,400 SF addition to the existing combat arms training and maintenance facility, alter and upgrade the 18 point rifle range to 20 firing points and provide two machine gun firing points for weapons training. Project includes classrooms, weapons storage and maintenance, mechanical and administrative support space, targets, firing points, baffles, utilities, fire protection, radiant heat and cover for all firing points. These facilities are required to train over 4,500 military personnel annually. Existing facilities provide training for less than 3,200 personnel annually. The existing range has 18 active and two inactive firing points. There are no facilities for machine gun training. The existing building is too small to support the current

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training load. There is insufficient space for classroom and administrative support. Lack of facilities for grenade launcher training requires transporting 20 personnel 220 miles for this training. This is expensive and time consuming. Without this project, full combat readiness training requirements cannot be met and existing training will continue in inadequate facilites under adverse and substandard conditions. This would be detrimental to the base's capability to defend itself and protect high priority resources under its control.

K.I. Sawyer AFB (SAC) LWRC892510	SECURITY IMPROVEMENTS	990

Provides security improvements and support construction for the essential minimum protection for flightline and industrial complexes and other critical support areas on base. These improvements consist of 53,000 linear feet of fence with vehicle access and personnel gates as necessary around the aircraft parking and maintenance areas. They are required to enhance the effectiveness of the security police force to detect intrusions and unauthorized entry to these resources and critical support areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Existing security measures in and around these areas are either non-existent or are minimal. There is no finite line of demarcation that indicates to unauthorized personnel that there is a limit to the access that is legally permitted in certain areas. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base. Lack of these security improvements subjects these sensitive components to easy access and possible damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission and would be detrimental to the security of the United States.

Wurtsmith AFB (SAC) ZJXD862581	SECURITY IMPROVEMENTS	870

Provides security improvements and support construction for the essential minimum protection for flightline and industrial complexes and other critical support areas on base. These improvements consist of 46,900 linear feet of fence with vehicle access and personnel gates as necessary around the aircraft parking and maintenance areas. They are required to enhance the effectiveness of the security police force to detect intrusions and unauthorized entry to these resources and critical

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support areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Existing security measures in and around these areas are either non-existent or are minimal. There is no finite line of demarcation that indicates to unauthorized personnel that there is a limit to the access that is legally permitted in certain areas. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base. Lack of these security improvements subjects these sensitive components to easy access and possible damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission and would be detrimental to national security.

NEBRASKA

Offutt AFB (SAC) SGBP870903	ADD TO COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	520

Construct an addition of 14 pistol/rifle and two machine gun firing points to the existing outdoor small arms range. Project includes firing points, cover, targets, baffles, earth berms, radiant heat and utilities. These facilities are required to provide training for nearly 6,500 military personnel annually. Existing facilities provide training for less than 3,100 personnel annually. The existing firing range has only 20 firing points for pistol/rifle training and there are no existing machine gun facilities. This necessitates transporting 20 people per day 50 miles for this training. This is expensive and time consuming. The existing range is too small to handle the current training requirement. Without this project, full combat readiness training requirements cannot be met and existing training will continue under inefficient and ineffective conditions. This would be detrimental to the base's capability to defend itself and protect high priority resources under its control.

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NEW JERSEY

McGuire AFB (MAC) PPTL880007	SATELLITE COMMUNICATIONS GROUND TERMINAL	895

Construct a 3,800 SF facility to accommodate a new satellite communications ground terminal. This will be an integral part of the Defense Satellite Communications System (DSCS) which provides long distance communications with a Jam Resistant Secure Communications (JRCS) system to support critical command, control, intelligence, and warning activities for special users such as the President. This terminal will be an essential link in the Military Airlift Command (MAC) command and control system. It will handle communications traffic in both voice and data modes. Currently there is no DSCS terminal for this site. Existing long distance communications links to MAC are routed through and link with limited capacity to distant satellite ground terminals via ground lines. The terminal is scheduled for delivery in October 1987.

NEW MEXICO

Holloman AFB (TAC) WDUJ870023	SATELLITE COMMUNICATIONS SYSTEM SECURITY	600

Upgrade the security system of the satellite communications facility by constructing an entry control facility, fencing, entrapment areas with electronically operated gates and security lighting. The satellite communications facility provides technical and maintenance support to mobile satellite communications units. It is protected by a single chain link fence, minimum area lights and a temporary entry control point. Padlocked entry gates do not provide the minimum security protection required to prevent unauthorized entry. Without this project, the site will remain vulnerable to security breaches.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER		5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
NEW YORK		
Griffiss AFB (SAC) JREZ820143	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	440

Provides support construction, concrete pad and utilities necessary for the installation of a T-9 noise suppressor scheduled for delivery in July 1987. A noise suppressor is required to eliminate health/occupational safety hazards and environmental problems associated with high noise levels created during aircraft engine tests. It is also required to comply with the stringent requirements for the control of noise and air pollution as established by state laws. Jet engines are currently being tested on test stands that do not have noise suppression capabilities. The noise and vibration generated during an engine run-up are disruptive, create an extreme environmental danger to personnel in the vicinity, and are a nuisance to other activities, both on base and in the surrounding community. Existing test stands will be disposed of upon completion of this project.

Plattsburgh AFB (SAC) THWA870030	KC-135 COCKPIT PROCEDURES TRAINER (CPT) SIMULATOR FACILITY	760

Construct a 3,500 SF facility to house CPT equipment scheduled to be refurbished and modernized in support of KC-135 aircraft. Adequate space is required to house this equipment and provide training for pilots and copilots in cockpit procedures. Existing equipment and training is being accommodated in an existing FB-111 flight simulator facility. This space is too small, not properly configured and does not have adequate environmental control, power or electrical and mechanical systems to support the refurbished CPT equipment. In addition, the existing space will not accommodate the new digital CPT system.

NORTH CAROLINA		
Seymour Johnson AFB (TAC) VKAG873001	SOUND SUPPRESSOR SUPPORT	660

Construct a concrete pad with foundations and deflector walls for a power check pad facility complete with sound suppressor (from other appropriations). This suppressor is required to eliminate health, occupational safety and environmental problems assoicated with high noise levels created by jet engine tests.

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3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER	5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
NORTH DAKOTA		
Grand Forks AFB (SAC) JFSD862582	SECURITY IMPROVEMENTS	730

Provides security improvements and support construction for the essential minimum protection for flightline and industrial complexes and other critical support areas on base. These improvements consist of 46,900 linear feet of fence with vehicle access and personnel gates as necessary around the aircraft parking and maintenance areas. They are required to enhance the effectiveness of the security police force to detect intrusions and unauthorized entry to these resources and critical support areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Existing security measures in and around these areas are either non-existent or are minimal. There is no finite line of demarcation that indicates to unauthorized personnel that there is a limit to the access that is legally permitted in certain areas. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base. Lack of these security improvements subjects these sensitive components to easy access and possible damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission and would be detrimental to national security.

Grand Forks AFB (SAC) JFSD868602	ELEVATED WATER STORAGE TANK	680

Construct an elevated water storage tank to include a 500,000 gallon tank, cathodic protection, connection to existing water distribution system, pump and pumphouse, and access road. An adequate supply of water is required to provide for an additional 164 family housing units on base, base fire protection and to satisfy the need for an additional reserve. Water is currently being furnished by contract with the city of Grand Forks to supply 2.6 million gallons per day (mgpd). This water is piped through one ten mile long pipe with two booster pumps. The 2.6 mgpd is the maximum that can be supplied through the existing pipeline. Current daily use is 2.5 mgpd which is estimated to increase to 2.84 mgpd upon completion of construction required due to the beddown of the B-1B bomber. Existing storage capacity is 1.4 million gallons. Fire demand requires 480,000 gallons storage be reserved for fire protection. Storage requirement is based on 50% of projected total

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STATE AND LOCATION	PROJECT TITLE	COST ($000)

daily demand plus fire demand. Current storage capacity cannot support the reserve for fire protection during 24 hour water supply outages. In addition, the added water supply will reduce the water required to be pumped during peak demand periods. If this project is not provided, there will not be sufficient water supply available to provide for fire protection and to satisfy the needs of funded and projected new construction required to beddown the B-1B bomber.

Grand Forks AFB (SAC) JFSD878709	KC-135 COCKPIT PROCEDURES TRAINER (CPT) SIMULATOR FACILITY	780

Construct a 3,500 SF facility to house CPT equipment scheduled to be refurbished and modernized in support of KC-135 aircraft. Adequate space is required to house this equipment and provide training for pilots and copilots in cockpit procedures. Existing equipment and training is being accommodated in a mobile railroad car stationed on-base. This railroad car is too small, not properly configured and does not have adequate environmental control, power or electrical and mechanical systems to support the refurbished CPT equipment. The existing equipment is subject to frequent failures and shutdowns during extreme hot and cold weather because of insufficient insulation and environmental controls.

Minot AFB (SAC) QJVF870040	KC-135 COCKPIT PROCEDURES TRAINER (CPT) SIMULATOR FACILITY	890

Construct a 3,500 SF facility to house CPT equipment scheduled to be refurbished and modernized in support of KC-135 aircraft. Adequate space is required to house this equipment and provide training for pilots and copilots in cockpit procedures. Existing equipment and training is being accommodated in a mobile railroad car stationed on-base. This railroad car is too small, not properly configured and does not have adequate environmental control, power or electrical and mechanical systems to support the refurbished CPT equipment. The existing equipment is subject to frequent failures and shutdowns during extreme hot and cold weather because of insufficient insulation and environmental controls.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER	5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
OKLAHOMA		
Altus AFB (MAC) AGGN870008L	LAND ACQUISITION	310

Approximately 320 acres will be purchased to provide aircraft parking spaces, expanded AICUZ clear zone, lateral clearance adjacent to the runway and a security buffer from parked aircraft to private property. The additional aircraft parking spaces are required for the beddown of two new C-5B aircraft. The existing parking apron is saturated by the presently assigned aircraft, leaving no apron to accommodate the new aircraft to be assigned to the Airlift Training Wing for initial training of C-5B aircrews. The expanded clear zone will allow proper noise abatement and aircraft safety and protective clearance from the air base boundaries to taxiing aircraft. There is not now sufficient land available on the airfield to provide for this requirement.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
SOUTH CAROLINA		
Charleston AFB (MAC) DKFX870002	MATERIAL HANDLING EQUIPMENT MAINTENANCE SHOP	730

This project will provide an adequate facility for the maintenance of 116 separate pieces of material handling equipment. It will be strategically located in close proximity to the air freight terminal. Material handling equipment such as forklifts, K-loaders and cranes must now travel two miles over base roads to the main base vehicle maintenance shop. The doors and bays are not large enough to accommodate all equipment, requiring work on some vehicles to be done outside.

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3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Charleston AFB (MAC) DKPX860003	ADD TO AND ALTER RECREATION CENTER	560

Alter 4,100 SF and add 5,800 SF to the existing 12,200 SF recreation center. The existing facility has only two-thirds the required area and restricts normal recreational programs with the result that all desired activity classes cannot be scheduled. Classes such as sewing, cooking, lamaze and cardio-pulmonary resuscitation (CPR) are restricted because only one class can be scheduled at a time. Since there are no classrooms, courses are further restricted by the noise and activities that are common in the rest of the recreation center. There are no other available facilities on base that can be used for recreation center activities.

SOUTH DAKOTA

Ellsworth AFB (SAC) PXBM882512	SECURITY IMPROVEMENTS	450

Provides security improvements and support construction for the essential minimum protection for flightline and industrial complexes and other critical support areas on base. These improvements consist of 17,000 linear feet of fence with vehicle access and personnel gates as necessary around the aircraft parking and maintenance areas, command post generator, communications center, radar facility and the north end of the northwest/southeast runway. They are required to enhance the effectivenesss of the security police force to detect intrusions and unauthorized entry to these resources and critical support areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Existing security measures in and around these areas are either non-existent or are minimal. There is no finite line of demarcation that indicates to unauthorized personnel that there is a limit to the access that is legally permitted in certain areas. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base. Lack of these security improvements subjects these sensitive components to easy access and possible damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission and would be detrimental to national security.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE PROJECTS $1 MILLION AND UNDER	5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Ellsworth AFB (SAC) FXBM860011	LIFE SUPPORT FACILITY	950

Construct a 7,800 SF facility for the storage, maintenance and issue of personal life support equipment, chemical warfare protective equipment and handguns and provide space for classroom instruction in the use of this equipment and in survival techniques. An adequate facility, properly sized, configured and environmentally controlled, is required to accommodate life support equipment and associated activities. Currently, these functions are housed in a portion of a vehicle maintenance facility which was originally designed as an aircraft maintenance hangar. The space lacks proper environmental control, adequate storage for parachutes, oxygen masks, survival kits, handguns and chemical warfare protective equipment. Noise from the flightline interferes with classroom instruction. If this project is not provided, life support equipment will continue to be stored and maintained in a substandard facility which will subject the equipment to premature deterioration and possible malfunction which would endanger the lives of the personnel who must use this equipment. The existing faclity will be disposed of upon completion of this project.

Ellsworth AFB (SAC) FXBM870006	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	1,000

Construct a 1,700 SF combat arms training and maintenance building, a five point machine gun range and upgrade the 10 point firing range to provide shelter, baffles, heat and increased berm height. Project includes classrooms, weapons maintenance, mechanical and administrative support space, cover for firing points, baffles, radiant heat, increase in berm height, and utilities. These facilities are required to train nearly 6,600 military personnel annually. Existing facilities provide training for less than 6,000 personnel annually. Combat arms training used to be conducted in two buildings, but one 30-year-old facility was recently abandoned because of an advanced deterioration. This requires all training to be conducted in one very small building which results in scheduling problems. There is no existing machine gun range, which requires the transportation of 20 personnel per day 400 miles away for this training at a cost of $3,600 per day. In addition, over 50% of the actual training days are affected by inclement weather at Ellsworth. Without this project, full combat readiness training requirements cannot be met and existing training will continue under adverse, substandard and expensive conditions. This would be detrimental to the base's capability to defend itself and protect high priority resources under its control.

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3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Ellsworth AFB (SAC) FXBM872502	B1-B BEDDOWN SUPPORT FACILITIES - PHASE III: ADD TO WAR READINESS SPARES KIT (WRSK) STORAGE FACILITY	860

Construct a 15,000 SF addition to an existing base supply warehouse for storage of WRSKs required to support the B-1B mission assigned to Ellsworth AFB. Adequate space is required in which the WRSK can be stored to insure that inspection and accountability of these mission essential items are accomplished in a timely manner to insure that they are complete and ready for expeditious deployment. Existing storage facilities are currently being totally utilized and there are no other facilities on base that can be used for proper WRSK storage. This results in these materials not being pre-pallatized for rapid deployment. If this project is not provided, WRSK materials cannot be provided nor can they be made ready to support rapid deployment of the B-1B.

TENNESSEE

Arnold AFS (AFSC) ANZY880202	ADD TO AND ALTER CHEMICAL LABORATORY	730

Construct a 5,300 SF addition to and alter Chemical and Metallurgical Laboratory. This project is required to accommodate the expanded scope of test support functions performed in the laboratory and to correct numerous safety deficiencies. Laboratory equipment required for environmental impact assessment and non-destructive testing have been installed in the existing facility resulting in seriously overcrowded work areas and overloaded electrical power supply. Volatile chemical compounds are stored in hallways due to lack of adequate storage facilities. No automatic fire detection/suppression system exist. Ventilation hoods for toxic fumes are inadequate and have resulted in numerous citation for safty violations. Support of test missions will increase lab workload, requiring additional floor space. Limited laboratory space will continue to restrict efficiency, safety, and quality of critical mission support lab functions and a hazardous work environment will remain.

1 COMPONENT
AIR FORCE

FY 1983 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION
VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE
PROJECTS $1 MILLION AND UNDER

5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
TEXAS		
Bergstrom AFB (TAC) BJHZ883002	SOUND SUPPRESSOR SUPPORT	600

Construct a concrete pad with foundation and deflector walls for a power check pad facility complete with sound suppressor (from other appropriations) and 3,400 SY of apron pavement. This suppressor is required to eliminate health, occupational safety and environmental problems associated with high noise levels created by jet engine tests.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
Carswell AFB (SAC) DDPF869906	VEHICLE FUELING STATION	490

Construct a new vehicle fueling facility to include building with masonry walls, concrete floor and foundations, structural steel frame and built-up roof; six fuel pumps on two concrete islands; six 10,000 gallon underground storage tanks; and truck fillstands for off-loading and servicing of leaded/unleaded gasoline and diesel fuel. Service area will be concrete slab on grade. An adequate vehicle fueling station is required to service over 500 base assigned and transit vehicles with these grades of fuel, compressed air for tires, automated service station equipment and water for radiators. The station must also service bulk fuel trucks required to dispense fuels to various other tanks both on and off base and be able to off load fuel from commercial trucks. The existing station is over 40 years old, wood construction, has only three pumps on one island, six aboveground tanks with wood platforms and stairs and electrical wiring on top of the tanks. Area is unpaved and within 50-100 feet of grocery store and parking. Existing tanks and piping leak due to old age and dikes will not contain a fuel spill. The station is in constant danger of fire, requires constant repairs and has a generally negative aesthetic appearance. If this project is not provided, vehicles and servicing personnel will continue to be subject to inefficient and hazardous fueling operations.

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Dyess AFB (SAC) FNWZ860012	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	960

Construct a 3,200 SF combat arms training and maintenance building and a 21 point rifle and a two point machine gun firing range for weapons training. Project includes classrooms, weapons storage and maintenance, mechanical and administrative support space, targets, firing points, baffle system, berms and overhead cover for the firing ranges, utilities, fire protection and air conditioning. These facilities are required to train over 6,500 military personnel annually. Existing facilities provide training for less than 4,400 personnel annually. Current training is provided in an indoor pistol range at Dyess and an Army National Guard rifle range at Camp Barkley 20 miles away. Machine gun training can only be obtained at Fort Hood, Texas, 200 miles away. Use of these off-base facilities requires busing personnel, weapons and ammunition to and from Dyess. The contract for use of the National Guard range has expired and can now only be used when available by verbal agreement. The indoor range on base is currently used for classroom instruction, weapons storage and maintenance which interferes with the shooting schedule. In addition, current lead levels in the air in this facility are extremely high as a result of high usage which is a dangerous health hazard for personnel who must use the facility. Without this project, full combat readiness training requirements cannot be met and existing training will continue under adverse, dangerous and substandard conditions. This would be detrimental to the base's capability to defend itself and protect high priority resources under its control.

Dyess AFB (SAC) FNWZ872572	SECURITY IMPROVEMENTS	750

Provides security improvements and support construction for the essential minimum protection for flightline and the industrial complexes and other critical support areas on base. These improvements consist of 44,500 linear feet of fence with vehicle access and personnel gates as necessary around the aircraft parking and maintenance areas. They are required to enhance the effectiveness of the security police force to detect intrusions and unauthorized entry to these resources and critical support areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Existing security measures in and around these

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STATE AND LOCATION	PROJECT TITLE	COST ($000)

areas are either minimal or non-existent. There is no finite line of demarcation that indicates to unauthorized personnel that there is a limit to the access that is legally permitted in certain areas. As a result, unimpeded access to flightline resources and facilities and high value equipment exists at this base. Lack of these security improvements subjects these sensitive components to easy access and possible damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission and would be detrimental to national security.

Dyess AFB (SAC) FNWZ860009	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	780

Provides support construction, concrete pad and utilities necessary for the installation of a T-9 noise suppressor scheduled for delivery in July 1987. A noise suppressor is required to eliminate health/occupational safety hazards and environmental problems associated with high noise levels created during aircraft engine tests. It is also required to comply with the stringent requirements for the control of noise and air pollution as established by state laws. Jet engines are currently being tested on test stands that do not have noise suppression capabilities. The noise and vibration generated during an engine run-up are disruptive, create an extreme environmental danger to personnel in the vicinity, and are a nuisance to other activities, both on base and in the surrounding community. Existing test stands will be disposed of upon completion of this project.

Dyess AFB (SAC) FNWZ872500	B-1B BEDDOWN SUPPORT FACILITIES - PHASE IV: JET ENGINE STORAGE FACILITY	590

Construct a 9,000 SF facility in which to store jet engines in support of the B-1B bomber and KC-135 tanker missions assigned to this base. This facility is required to support the beddown of the B-1B. Jet engines must be stored in an enclosed facility with adequate fire protection and located to be readily accessible to aircraft maintenance hangars and the engine inspection and repair shop. Spare engines are currently being stored in a portion of an existing aircraft maintenance hangar which is required to support B-1B and KC-135 aircraft

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STATE AND LOCATION	PROJECT TITLE	COST ($000)

maintenance. There is no other available space that can be used for storage of jet engines. Also, both the quantity and size of the engines will increase. Without this project, jet engines will have to be stored outside subjecting them to the elements which will cause excessive corrosion and deterioration. This would have an adverse impact on engine availability and would be detrimental to mission capability and national security.

UTAH

Hill AFB (AFLC) KRSM870079	PEACEKEEPER - ADD TO AND ALTER STAGE I STORAGE	1,000

Add to and alter missile storage for Peacekeeper Stage I missile motors. A facility of adequate size is required to store Peacekeeper Stage I missile motors. The facility must be located safely away from personnel and other facilities because of the explosive nature to the Stage I motor. The existing motor storage facilities are too small and not configured to support the Peacekeeper Stage I motors. If this project is not provided, there will be a severe shortage of storage space for Stage I missile motors that support the Peacekeeper program.

WASHINGTON

Fairchild AFB (SAC) GJKZ850004	T-9 NOISE SUPPRESSOR SUPPORT FACILITY	750

Provides support construction, concrete pad and utilities necessary for the installation of a T-9 noise suppressor scheduled for delivery in July 1987. A noise suppressor is required to eliminate health/occupational safety hazards and environmental problems associated with high noise levels created during aircraft engine tests. It is also required to comply with the stringent requirements for the control of noise and air pollution as established by state laws. Jet engines are currently being tested on test stands that do not have noise suppression capabilities. The noise and vibration generated during an engine run-up are disruptive, create an extreme environmental danger to personnel in the vicinity, and are a nuisance to other activities, both on base and in the surrounding community. Existing test stands will be disposed of upon completion of this project.

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3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

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STATE AND LOCATION	PROJECT TITLE	COST ($000)
Fairchild AFB (SAC) GJKZ872573	SECURITY IMPROVEMENTS	570

Provides security improvements and support construction for the essential minimum protection for flightline and industrial complexes and other critical support areas on base. These improvements consist of 13,500 linear feet of fence with vehicle access and personnel gates and approximately 13,600 SY of roads as necessary around the aircraft parking and maintenance areas, the east flight approach marker and the demineralized water plant. They are required to enhance the effectiveness of the security police force to detect intrusions and unauthorized entry to these resources and critical support areas. They also serve as a deterrent and a legal line of demarcation beyond which unauthorized personnel and hostile elements must not penetrate. Existing security measures in and around these areas are either non-existent or are minimal at best. There is no finite line of demarcation that indicates to unauthorized personnel that there is a limit to the access that is legally permitted in certain areas. As a result, unimpeded access to flightline resources and facilities and equipment of high value exists at this base. Lack of these security improvements subjects these sensitive components to easy access and possible damage. Such actions would have an adverse impact on the ability of the base to perform its assigned mission and would be detrimental to national security.

WYOMING

STATE AND LOCATION	PROJECT TITLE	COST ($000)
F.E. Warren AFB (SAC) GHLN861002	COMBAT ARMS TRAINING AND MAINTENANCE FACILITIES	550

Construct a 3,200 SF combat arms training and maintenance building to include classrooms, weapons maintenance and storage, mechanical and administrative support space, utilities, fire protection and vehicle parking. This building is required to train over 4,700 military personnel annually. Existing facilities provide training for only 3,000 personnel annually. Due to the base's mobility taskings and arming requirements as a result of the deployment of the Peacekeeper, existing facilities have become inadequate to accommodate the required training load. The existing facilities are too small and cannot be

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3. INSTALLATION AND LOCATION

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STATE AND LOCATION	PROJECT TITLE	COST ($000)

expanded or upgraded due to their existing condition. Training is not available at any other location due to the distance (150 miles) and travel time required. Without this project, full combat readiness training requirements cannot be met and existing training will continue under inadequate and substandard conditions. This would be detrimental to the base's capability to defend itself and protect high priority resources under its control.

F.E. Warren AFB (SAC) GHLN871604	PEACEKEEPER-REAL ESTATE	400

Acquire necessary real estate interests at and between missile sites in the vicinity of F. E. Warren AFB to meet explosive quantity-distance criteria. Real estate interests to support missile deployment. Presently, the Government has a 1,200 ft radius safety restrictive easement around each Minuteman silo. A restrictive easement with a radius of 1,750 ft is required for Peacekeeper. This entails acquiring additional acres of easements around each silo. Funds are required in FY 87 to insure that sufficient real estate interests are available to beddown the third increment of missiles. Approval of the FY 87 MCP will provide the minimum time required to negotiate the acquisition of the real estate interests and minimize hardship on affected landowners displaced by real property acquisitions. There is insufficient Government property available at the considered locations to satisfy the various requirements for the Peacekeeper missile system. Posturing of the Peacekeeper missile system cannot begin until necessary real estate rights are required.

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3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES		
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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)

FEDERAL REPUBLIC OF GERMANY

Bitburg Air Base (USAFE) BSGX86901000	RAPID RUNWAY REPAIR (RRR) EQUIPMENT STORAGE FACILITY	960

Construct a 17,000 SF warehouse for storage of RRR equipment. RRR equipment is being procured including trucks, bulldozers, graders, rollers, frontend loaders and related equipment necessary for Civil Engineering teams to perform their emergency and wartime missions. Prepositioning of this equipment will reduce the time necessary to repair runway craters. This will allow aircraft to be quickly recovered and generated after an enemy attack. All existing warehouse space is in use.

Bitburg Air Base (USAFE) BSGX879001	PASSIVE DEFENSE EQUIPMENT STORAGE FACILITY	770

Construct a 14,000 SF storage facility for Camouflage, Concealment & Deception (CCD) equipment. Base survivability programs provide amouflage nets, decoys and smoke generators. These systems will provide visual and infrared cover for critical assets that can't be sheltered. Decoys will mask movements of real assets and complicate enemy targeting which will increase our survivablity. Without this storage facility, CCD equipment will deteriorate and become non-operational.

Bitburg Air Base (USAFE) BSGX879901	ALTER BASE MAIN ENTRANCE	440

Alter the main entrance with a new gate house, widened road, relocated street lights and fence. Construction of Patriot Battalion missile support facilities requires alteration of the base main entrance to enclose the Patriot building within the base perimeter fence. The gate must be able to control vehicular and pedestrian traffic, check identification and issue passes. The widening of the base access road is necessary to handle the increase of traffic and the large, oversized vehicles for Patriot. The perimeter fence must be extended to include the Patriot facilities. This project is required to provide adequate security, controlled access and adequate paved entry of oversized vehicles to essential mission facilities.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Bitburg Air Base (USAFE) BSGX879903	WATER STORAGE TANK	480

Construct an additional 200,000 gallon water storage tank with necessary pumps, controls and connections to the existing main water supply line. A new water storage tank and water distribution lines are required to provide adequate water supply in quantity and quality for the Patriot Battalion beddown. The facility will provide the amount of water storage required for the total daily domestic demand and for fire protection. A 200,000 gallon water storage deficiency will exist due to construction associated with the new Patriot Battalion beddown at Bitburg Air Base. Lack of adequate water storage for fire demands could result in loss of human lives and property.

COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Hahn Air Base (USAFE) JWEC86900400	POST OFFICE	980

Construct a central post office to conduct official business and for the receipt of personal mail. Space is required to service additional specialized functions such as the postal directory, nonresident school dorms and the USAF hospital as well as the self-service lock boxes of DOD military and civilian personnel. The existing post office is located on the ground floor of an unaccompanied enlisted personnel housing unit. This arrangement displaces 38 enlisted personnel while a 2,870 person deficit in dormitory space dictates the use of this area for unaccompanied enlisted personnel housing. The use of this space as a postal facility results in overcrowding, insufficient storage space and cramped working conditions.

COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Hahn Air Base (USAFE) JWEC866009	RAPID RUNWAY REPAIR (RRR) EQUIPMENT STORAGE BUILDING	840

Construct a rapid runway repair equipment storage facility to store equipment procured in the air base recovery program. This equipment includes trucks, bulldozers, graders, rollers, front end loaders and related construction equipment necessary for Civil Engineering teams to perform their emergency and wartime missions. The prepositioning of this equipment will reduce the time necessary to repair craters in a runway, enabling aircraft to be quickly recovered and/or generated after an airfield attack. No storage space is currently available to adequately shelter and protect the significant Air Force investment being made in RRR equipment and materials. Therefore, RRR assets on

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hand and future equipment scheduled to arrive in June 1986 must be stored outside. This will accelerate the deterioration of these valuable assets, increase maintenance and replacement costs and negate the potential utility of this equipment/material.

Ramstein Air Base (USAFE) TYFR879022	WEAPONS STORAGE AND SECURITY SYSTEM	800

Support construction for a weapon storage system for four tactical aircraft shelters. The weapon storage and security system is required to provide dispersed and secure storage of tactical weapons collocated within aircraft shelters. A system of vaults located at various bases in Europe, along with a centrally monitored control center will make up the new system. Tactical weapons are in storage igloos several miles away from the aircraft shelters. Weapons are transported from the igloos to aircraft shelters by convoys with large security forces. The convoys prolong operational readiness and are vulnerable to sabotage. Without the weapon system, the vulnerabilities of centrally storing and transporting the weapons will remain. The project is not NATO eligible.

Ramstein Air Base (USAFE) TYFR879017	SECURITY LIGHTING	420

Provide exterior area and perimeter security lighting systems and fencing for the flightline area. Existing area and perimeter security lighting for the Alert Air Defense Area does not meet current security requirements. In the north-east and south-east aircraft area, lighting exists only for the aprons and does not provide sufficient illumination around the entire shelter area. This project is Phase I of a multi-phase program for security enhancement of Ramstein Air Base flightline areas. Without this project, security lighting on the flightline will remain unreliable and insufficient to detect intruders/unauthorized personnel approaching restricted, controlled areas.

Spangdahlem Air Base (USAFE) VYHF879011	GROUND DEFENSE MUNITIONS STORAGE IGLOOS	560

Construct two munitions igloos with earth revetments and all supporting utilities. Existing igloos are fully utilized for storing aircraft weapons. A requirement to store and protect ground defense small arms munitions must also be satisfied.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Wueschheim Air Station (USAFE) TYFR868042	GLCM BASE CIVIL ENGINEER (BCE) PAVEMENT AND GROUNDS SHOP	310

Construct a 3,400 SF facility for BCE pavements and grounds. The GLCM program requires that roads and pavements be properly maintained and kept clear of snow and ice to allow expeditious dispersal of missile launchers. Effective grounds maintenance is essential in providing security police personnel an unobstructed view of the land surrounding the alert area. Without this facility, efficient maintenance of site pavements and grounds would not be possible. This could have direct negative impact on the mission.

Zweibrucken Air Base (USAFE) ZYSQ866006	CW PROTECTION - AIR PHOTO INTERPRETATION FACILITY (APIF)	950

Construct a 2,600 SF CW cell for an existing photo interpretation facility. Under the current threat, USAFE bases must be able to survive and operate in a chemical/biological environment. This requires a combination of individual protection, collective protection (provided by this project), detection, warning, and decontamination. Collective protection for work areas enables personnel to do critical command and control, maintenance, security and photo interpretation tasks which they cannot do adequately when wearing individual protection equipment. Detection and warning and decontamination systems enable shelter teams to process personnel and vital equipment in and out of the buildings without contaminating the personnel, equipment, or building interior.

GREECE

Iraklion Air Station (USAFE) LNVR869001	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	320

Construct a 4,100 SF facility to accommodate the peacetime storage of prepositioned medical War Readiness Material (WRM) resources. Currently there are no adequate facilities available to support this contingency storage requirement.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
INDIAN OCEAN		
Diego Garcia Air Base (PACAF) SGER872525	VEHICLE STORAGE AND MAINTENANCE SUPPORT	800

Provide storage and maintenance facility for prepositioned Air Force WRM vehicles. Adequate facilities with necessary utilities is required for Air Force personnel supporting contingency operations of Rapid Deployment Force in Southeast Asia. This facility will enable the Air Force to preposition support vehicles at Diego Garcia in a structure which will function as an austere transportation maintenance and operations facility during actual contingency operations. There is a shortage of all types of covered storage facilities at Diego Garcia. Currently, Air Force support vehicles must be stored at another location and airlifted in when needed.

ITALY		
Camp Darby (USAFE) TYFR878032	SEGREGATED MAGAZINE	270

Construct a 1,300 SF segregated magazine to store War Readiness Material (WRM) munitions. This 19 bay facility will allow munitions not requiring igloos for storage to be removed from existing igloos to increase the WRM storage capacity of the site.

Decimomannu Air Station (USAFE) TYFR860300	VISITING OFFICERS QUARTERS	900

Construct an 18 person facility to house visiting officers. Decimomannu is one of only two locations in Europe where flight crews can undergo live-fire training. This results in a large contingent of temporary duty personnel. The current 24 person Visiting Officers Quarters has two persons occupying a room sized for one person. Lack of privacy is not conducive to proper crew rest and adversely effects flying safety and diminishes the effectiveness of the training program.

San Vito Air Station (USAFE) UUUY86900100	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	490

Construct an 8,200 SF facility to accommodate the peacetime storage of prepositioned medical War Readiness Material (WRM) resources. Currently, there are no adequate facilities available to support this contingency storage requirement.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
JAPAN		
Kadena Air Base (PACAF) LXEZ874002	VEHICLE CORROSION CONTROL SUPPORT FACILITY	265

Construct a 2,320SF building to shelter three automatic vehicle wash/wax equipment and provide necessary support area. Okinawa's corrosion severity classification is severe, due to high humidity, atmospheric salt content, and wind velocity. Because of the corrosive climate, Kadena Air Base uses over 17 man years on repairs resulting from corrosion damage to its vehicle fleet. Another 37.5 manyears are expended washing and waxing its fleet of 1,268 vehicles under the current corrosion control program. An automated vehicle corrosion control facility would extend the road life of the vehicle fleet, reduce the manyears expended on current manual washing and waxing to approximately 2.4 annually, and make a significamt reduction in expenditures for minor repair requirements. The initial cost to implement this project, including the cost to procure and install the automatic vehicle wash/wax equipment, is estimated at $381,800 with annual recurring costs estimated at $115,800. Anticipated gross savings are estimated at $1,175,300. The amortization period for this project is 4.1 months.

Totsuka (PACAF) EVKG870700	ADD TO TELECOMMUNICATIONS FACILITY	700

Construct a 1,700 SF addition to the existing facility to accommodate additional digital microwave communications equipment to support the Defense Communications System (DCS). The DCS provides long distance telecommunications for critical command, control, intelligence and warning activities. Currently, the DCS is served by analog microwave communications equipment which does not provide the level of support to meet the DOD user requirements. This project will provide the space to accommodate the new digital equipment which will provide the necessary reliability and effectiveness to properly support the mission.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Yokosuka Naval Base (PACAF) RKBP870701	ADD TO TELECOMMUNICATIONS FACILITY	600

Construct a 1,700 SF addition to the existing facility to accommodate additional digital microwave communications equipment to support the Defense Communications System (DCS). The DCS provides long distance telecommunications for critical command, control, intelligence and warning activities. Currently, the DCS is served by analog microwave communications equipment which does not provide the level of support to meet the DOD user requirements. This project will provide the space to accommodate the new digital equipment which will provide the necessary reliability and effectiveness to properly support the mission.

NETHERLANDS

Camp New Amsterdam (USAFE) VWLB879011	COMMUNICATION MAINTENANCE FACILITY	570

Construct a 4,500 SF facility to house the communications maintenance administrative functions and limited shops and storage. Forty-one individuals will work in the facility. Presently, the communications maintenance complex is scattered in three buildings. There is a severe shortage of working and storage space, and decentralization has caused severe control and coordination problems. Recent activation of NAVAIDS and cable maintenance functions has added 10 maintenance personnel. In addition, the introduction of the European Telephone System will displace a telephone maintenance function adding to the shortage of space. Without this project, maintenance of the increasingly complex and demanding communications equipment will be degraded and eventually adversely effect all aspects of the base's mission.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Camp New Amsterdam (USAFE) VWLB879013	CW PROTECTION - SQUADRON OPERATIONS FACILITY	930

Construct a 2,600 SF CW cell for an existing semihardened squadron operations facility. Under the current threat, USAFE bases must be able to survive and operate in a chemical/biological environment. This requires a combination of individual protection, collective protection (provided by this project), detection, warning, and decontamination. Collective protection for work areas enables personnel to do critical command and control, and flight planning tasks which they cannot do adequately when wearing individual protection equipment. Detection and warning and decontamination systems enable shelter teams to process personnel and vital equipment in and out of the buildings without contaminating the personnel, equipment, or building interior.

REPUBLIC OF KOREA

Kimhae Air Base (PACAF) MEPZ868030	PORTOMOD WAREHOUSE	570

Construct a 20,000 SF PORTOMOD (Rigid Frame Tensioned Fabric Membrane Structure). The project will provide adequate storage space for war readiness vehicles. Adequate available storage facilities are nonexistent. The PORTOMOD will provide an enclosed and secure area which will eliminate asset deterioration due to environmental problems, reduce the potential for pilferage, and increase asset life span.

Kunsan Air Base (PACAF) MLWR877714	UPGRADE WATER DISTRIBUTION	430

Upgrade water distribution system to provide adequate water pressure and flow capacity to the southern area of the base. An adequate distribution system is required to provide water in sufficient quantity and pressure to meet domestic, industrial and fire fighting requirements in the industrial and munitions areas of the base. The existing water distribution system is over 30 years old and is not able to carry required water pressures without leaks and line failures. Water demand exceeds design capacity of the distribution system. Water pressure is minimal for domestic use and does not meet pressures required for fire protection. If this project is not provided, inability to meet fire fighting requirements, continued deterioration of the existing system, and high maintenance costs for repairs will continue.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Kunsan Air Base (PACAF) MLWR887719	BASE CIVIL ENGINEER FACILITY	840

Construct a 10,000 SF base civil engineer facility. An adequately sized and functionally configured base civil engineer facility is required to accommodate management and control of maintenance and utility services for all base facilities. The base civil engineering functions are contained in six wooden prefabricated facilities that are between 15-35 years old. These facilities have inadequate electrical and mechanical systems, have deteriorated structurally beyond repair, and are not functionally designed to accommodate the civil engineering organization. Current facilities are overcrowded and inefficient. This project will allow the demolition of three badly deteriorated high resource consuming facilities. If this project is not provided, the civil engineering supervisory, management and contingency control functions will continue to operate from substandard, deteriorated and separated facilities which adversely impact the effectiveness of civil engineering support to the mission.

Kunsan Air Base (PACAF) MLWR867702	PORTOMOD WAREHOUSE	600

Construct a 20,000 SF PORTOMOD (Rigid Frame Tensioned Fabric Membrane Structure). The project will provide adequate storage space for war readiness materials, housekeeping sets and supply items. Adequate available storage facilities are nonexistent. The PORTOMOD will provide an enclosed and secure area which will eliminate asset deterioration due to environmental problems, reduce the potential for pilferage, and increase asset life span.

Kwang-Ju Air Base (PACAF) MMFZ897702	PORTOMOD WAREHOUSE	600

Construct a 20,000 SF PORTOMOD (Rigid Frame Tensioned Fabric Membrane Structure). The project will provide adequate storage space for war readiness vehicles. Adequate available storage facilities are nonexistent. The PORTOMOD will provide an enclosed and secure area which will eliminate asset deterioration due to environmental problems, reduce the potential for pilferage, and increase asset life span.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Kwang-Ju Air Base (PACAF) MMPZ867804	UNACCOMPANIED OFFICER PERSONNEL HOUSING	650

Construct a sixteen person Unaccompanied Officer Personnel Housing facility. This project is the final phase of a two phase effort to provide adequate unaccompanied officer housing at Kwang-Ju. Substandard facilities for eighteen persons consist of Southeast Asia retrograde modular facilities/trailers. These assets are in poor condition due to extended use beyond their design life and are extremely energy inefficient. Failure to support this project will result in the continued use of substandard quarters and produce a detrimental impact on officer morale, welfare, and readiness.

COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Suwon Air Base (PACAF) WNHQ918031	PORTOMOD WAREHOUSE	600

Construct a 20,000 SF PORTOMOD (Rigid Frame Tensioned Fabric Membrane Structure). The project will provide adequate storage space for war readiness vehicles. Adequate available storage facilities are nonexistent. The PORTOMOD will provide an enclosed and secure area which will eliminate asset deterioration due to environmental problems, reduce the potential for pilferage, and increase asset life span.

REPUBLIC OF THE PHILIPPINES

COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
Clark Air Base (PACAF) DVLK883412	FIRE STATION	760

Construct a 9,000 SF fire station. An adequate facility, properly sized, configured and centrally located is required to house structural firefighting vehicles, equipment and personnel. The facility must have sleeping quarters, kitchen and dining areas for personnel assigned to 24 hour shifts. The present fire station is a two story, 32 year old structure, deteriorated beyond repair. It is typical of the post World War II tropics-style wood frame construction which has succumbed to dry rot and termite infestation. Frequent treatment and periodic replacement of structural members has not been effective in controlling this deterioration. As a result, 75% of the second floor, which contains the break area and training room has been declared unsafe and

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)

placed off-limits. This has forced a makeshift reallocation of bunks for the 12-man crew shift and the training activities among other living and administrative areas. This project will allow demolition of a deteriorated World War II, high resource consuming facility. If this project is not provided, the capability of fire fighting personnel will be seriously hampered by stressful living and working conditions while facility maintenance costs will continue to increase.

Clark Air Base (PACAF) DVLK863210	PORTOMOD WAREHOUSE	460

Construct a 20,000 SF PORTOMOD (Rigid Frame Tensioned Fabric Membrane Structure). The project will provide adequate storage space for war readiness materials, housekeeping sets and supply items. Adequate available storage facilities are nonexistent. The PORTOMOD will provide an enclosed and secure area which will eliminate asset deterioration due to environmental problems, reduce the potential for pilferage and increase asset life span.

SPAIN

Zaragoza Air Base (USAFE) ZRZF86900100	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	540

Construct a 12,400 SF facility to accommodate the peacetime storage of prepositioned medical War Readiness Material (WRM) resources. Currently, there are no adequate facilities available to support this contingency storage requirement.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
TURKEY		
Ankara Air Station (USAFE) ANKR889001	UNACCOMPANIED ENLISTED PERSONNEL HOUSING	930

Construct unaccompanied enlisted personnel housing. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The lack of such quarters is an irritant to these personnel and a known contributor to low reenlistment rates. There are not enough facilities to accommodate the on base requirement. Personnel are forced to live off-base in either substandard quarters or compete with married personnel for the limited local expensive rentals. This project is part of a multi-phased program which will eventually provide upgraded quarters to meet the full programming need for the base. Two existing facilities will be upgraded to meet the remaining requirement.

Incirlik Air Base (USAFE) LJYC855004	POST OFFICE	510

Construct a 6,100 SF post office facility to replace a substandard quonset hut being used to serve personnel assigned to this installation and attached units. In addition to being deteriorated beyond economical repair, the existing 3,000 SF post office is too small to handle and store the average volume of 60,000 pounds of mail being processed. This situation requires mail to be temporarily stored in metal shipping containers and sorted in the parking lot.

Incirlik Air Base (USAFE) LJYC855005	MEDICAL CONTINGENCY FACILITY	820

Construct a 20,500 SF facility to accommodate the peacetime storage of prepositioned medical War Readiness Material (WRM) resources. Currently, there are no adequate facilities available to support this contingency storage requirement.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)

UNITED KINGDOM

RAF Alconbury (USAFE) AEDY879005	AIRCRAFT MAINTENANCE FACILITY	640

Construct a 7,000 SF Aircraft Maintenance Unit (AMU) facility to provide space for personnel, materials, and equipment necessary to fulfill aircraft production oriented maintenance on the flightline. There are no existing facilities in the F-5 parking area where 18 aircraft are located. Existing maintenance facilities on the main flightline are overcrowded and too far from the aircraft parking area to support the launch and recovery of these aircraft.

RAF Alconbury (USAFE) ADEY866016	BASE OPERATIONS FACILITY	900

Construct a 8,700 SF Base Operations facility. Space is provided for the base operations officer, weather, briefings, base operations training administration, flight training, customs, flight planning, dispatch duty desk, and inflight kitchen. Existing 30 year old facility is substandard, uneconomical to upgrade and will be demolished.

RAF Bentwaters (USAFE) BHVW879007	CENTRAL POST OFFICE	650

Construct a 7,600 SF Central Post Office for the receipt and handling of US mail. This faclity will also serve specialized functions such as postal directory, the USAF Hospital, and self-service lock boxes for assigned personnel. There are currently four facilities serving the wing postal requirements; one at Bentwaters and three at Woodbridge. The facility at Bentwaters and two at Woodbridge are quonset type construction, built during World War II. These facilities are difficult to heat, expensive to maintain and will be demolished when new facility is available. The one adequate faclity at Woodbridge will be retained as a branch post office to serve the personnel working at that location. There is a current shortage of 130 lock boxes with no space available to install new boxes. Without this project, the existing deficiency in lock boxes and deteriorated facilities will continue to adversely effect morale.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
RAF Chicksands (USAFE) DPWD86900200	ADD/ALTER WATER DISTRIBUTION SYSTEM	950

Construct a water storage tank and upgrade the existing water distribution system to meet the minimum fire and domestic flow capacities for this base. The existing water distribution system is comprised of two pumphouses, five elevated storage tanks, and miles of piping. This system has aged to the point that the flow rates do not meet current criteria resulting in a serious deficiency in fire fighting capability. Except for the recreation area, minimum fire flow rates cannot be met on base.

RAF Croughton (USAFE) EXSW879001	TELECOMMUNICATIONS FACILITY	630

Construct a 2,300 SF hardened facility to house the base telephone central switching equipment. The European Telephone System (ETS) program is replacing obsolete mechanical switches with modern electronic units which must be protected to insure off-base connectivity and survivability. The existing switching equipment must remain in operation until switchover and is currently housed in a soft facility which can not be economically upgraded or expanded.

RAF Lakenheath (USAFE) MSET879008	BASE SUPPLY STORAGE SHED	500

Construct a 13,100 SF base supply and equipment shed to provide covered and secure storage for base supply assets which do not require regular warehouse storage, yet must be protected from the weather. The existing supply facilities are widely dispersed and well below standards. Supplies are stored at RAF Feltwells and RAF Watton (14 and 26 miles distant). Valuable manhours are wasted traveling back and forth from these separated supply locations. Base supply is so deficient in adequate storage space that they must utilize unfinished aircraft shelters for storage space. This situation seriously degrades supply control, security and access. Without this project, many items will continue to be stored off-base, which will slow deliveries, reduce mission effectiveness and increase potential for damage to supplies and equipment.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
RAF Molesworth (USAFE) QNDG870001	GLCM-BASE CIVIL ENGINEER COMPLEX	330

Construct a 2,000 SF BCE administrative facility with an adjacent 1,000 SY paved, fenced and lighted storage area. GLCM requires reliable facilities and utilities. A BCE administrative facility is required to house those functions necessary to manage the maintenance, repair and minor construction support for RAF Molesworth. Among the functions that will be included in this facility are a site engineer's office, production control, construction management, alarms, power production, heavy equipment, Property Services Agency (PSA) liaison offices and a conference room. A paved, fenced and lighted storage yard is required to provide adequate secure storage space for those materials required for the day-to-day maintenance and repair of facilities at RAF Molesworth. Currently, no facilities exist to house these functions. Without these facilities, civil engineering support will have to come from RAF Alconbury which is 20 to 30 minutes driving time away. During bad weather, commuting time can exceed one hour. This would reduce the effectiveness of civil engineering support for both Alconbury and Molesworth due to the "down time" that would result from the travel requirements. In emergency situations, the travel delay could have a direct adverse impact on the mission readiness of the GLCM wing at RAF Molesworth.

COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
RAF Welford (USAFE) YRJM879002	MUNITIONS SURVEILLANCE AND INSPECTION SHOP	760

Construct a 6,000 SF munitions surveillance and inspection shop. This facility is required for the initial assembly, checkout, periodic inspection, and maintenance of munitions. This site supports 49,000 short tons of conventional munitions. The existing facility has major security, explosive, and environmental discrepancies. The structure was built in 1956 as a semi-permanent facility and does not meet current standards. It is beyond economical repair and is scheduled for demolition as part of this project. Continued use of the existing facility will jeopardize USAFE's ability to meet its conventional munitions commitment.

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COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
RAF Welford (USAFE) YRJM879006	GROUND DEFENSE MUNITIONS STORAGE IGLOOS	830

Construct three munitions igloos with earth revetments and all supporting utilities. Existing igloos are fully utilized for storing aircraft weapons. A requirement to store and protect ground defense small arms munitions must also be satisfied.

COUNTRY AND LOCATION	PROJECT TITLE	COST ($000)
RAF Wethersfield (USAFE) YUMJ869001	SECOND ECHELON MEDICAL LOGISTICS STORAGE FACILITY	650

Construct an 6,300 SF facility to accommodate the peacetime storage of prepositioned medical War Readiness Material (WRM) resources. Currently there are no adequate facilities available to support this contingency storage requirement.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS	4 PROJECT TITLE WATER POLLUTION ABATEMENT

5 PROGRAM ELEMENT 2.75.96 6.58.07	6 CATEGORY CODE 899-00W	7 PROJECT NUMBER VARIOUS	8. PROJECT COST ($000) 7,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
VARIOUS LOCATIONS - WATER POLLUTION ABATEMENT		LS		7,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION The work includes the treatment and disposal of sanitary wastes.

11. REQUIREMENT: As required.

PROJECT: Provision for water pollution abatement through the construction or upgrade of treatment and disposal facilities for sanitary wastes.

REQUIREMENT: A continuing Air Force program is required for correcting, controlling and preventing water pollution to comply with requirements of installation permits of the National Pollutant Discharge Elimination System.

CURRENT SITUATION: Wastewater treatment and disposal systems at existing facilities were constructed to comply with wastewater quality standards then existing. As these standards became more stringent, existing waste water treatment and quality protection provisions became inadequate. This request provides two water pollution abatement projects and will allow compliance with current applicable standards.

IMPACT IF NOT PROVIDED: Pollution of water will continue in violation of current regulations.

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WITHIN THE UNITED STATES

STATE AND LOCATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
CALIFORNIA		
MCCLELLAN AFB (AFLC) PRJY871011	5,800	REGIONAL WASTEWATER CONNECTION: Provides for constructing an off-base sewer connector line to the Sacramento Regional County Sanitation District for disposal of domestic wastewater and treated industrial waste effluent. Connection to the regional system is required to dispose of approximately 1.5 million gallons per day of sanitary wastes and industrial waste effluent. All work is needed for compliance with National Pollution Discharge Elimination System (NPDES) permit and a cease-and-desist order issued by the State of California. The capacities of the base sanitary and industrial waste treatment plants are insufficient to dispose of all the reclaimed wastewater generated by the base. The excess wastewater is currently treated and discharged into Magpie Creek which flows off base. The base will not be permitted to discharge any treated effluent into surface waters after July 1985, with interim measures allowed until May 1988. This project offers the most positive disposal of effluent for meeting the requirements of the NPDES permit. Failure to provide project may subject the Air Force to expensive fines for violations of the NPDES permit.

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LOCATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
GERMANY		
BITBURG AB (USAFE) BSGX879902	1,500	SEWAGE TREATMENT PLANT: Add to and alter the existing sewage treatment plant. Provide adequate sewage treatment capability to support an increase in base mission personnel for beddown of a Patriot Battalion and eliminate a capacity deficit in the existing plant. A Patriot Surface to Air Missile (SAM) battalion is scheduled to be assigned to the Bitburg area for air defense of USAF bases. Support facilities will be built on Bitburg AB to support the US Army personnel assigned to the system. A Waste-Water Evaluation Report (EH (W) Technical Report #76-32) prepared in August 1976 states that the existing treatment plant is overloaded. Therefore, it cannot handle the increased sewage resulting from construction of new Patriot facilities. Mission beddown will be severely impacted for the new Patriot Battalion since existing utility systems will not be able to support additional sewage requirements. This project is not NATO eligible.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

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MILITARY FAMILY HOUSING
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MILITARY FAMILY HOUSING
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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

STATEMENT

The military family housing appropriation addresses one of the most fundamental needs of Air Force members; securing adequate, affordable homes for their families. Air Force owned or controlled family housing is provided to service members and their families only at those locations where insufficient private housing is available to satisfy their housing needs.

Recent Air Force military family housing budget requests have sought to reverse severely constrained funding in the late 1970s and early 1980s, which left the Air Force with huge housing deficits. Very little new housing was authorized during that period and limited funding prevented any sustained efforts to improve or properly maintain existing housing assets. The growing backlogs of deferred improvements and maintenance seriously jeopardize our physical plant which has a replacement value of over $11 billion. Some progress in addressing these problems was made in FY 83 through favorable economic conditions and Jobs Bill supplemental funding, but the reduced FY 84 appropriation delayed these efforts. The FY 85 appropriation grew only in the new construction account. The 1,550 new housing units approved in FY 85 was the first substantial effort approved by Congress to correct the large housing deficit. Again in FY 86, the appropriation provided growth only in the new construction account with 1,800 units scheduled.

In recognition of the significant congressional budget constraints being applied to recent Air Force family housing requests, our FY 87 budget request is only 2.8% ($23.9 million) above the FY 86 appropriation. The requested level of funding will provide new housing only at the most critical locations and limit our efforts to renew existing housing assets. This low funding level severely restricts efforts to correct growing maintenance requirements. However, we believe this funding request represents a well-balanced program to achieve quality-of-life goals for military families within the fiscal constraints imposed.

We respectfully request full and complete support for Air Force family housing needs depicted in this request which are in consonance with OSD and Congressional direction, and a constrained fiscal environment. A fully funded family housing program is essential to provide urgently needed additional military family housing and to continue efforts to renew existing housing assets.

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1987 ($000):

FUNDING PROGRAM FY 1987		
Construction of New Housing		$ 43,356
Construction Post Acquisition		$ 58,644
Design and Advance Planning		$ 7,000
Appropriation Request: Construction		$109,000
Operations, Utilities and Maintenance		$664,268
Operating Expenses	$109,295	
Utilities	$247,289	
Maintenance	$307,684	
Leasing		$79,776
Domestic	$5,600	
Foreign	$74,176	
Debt Payment		$7,365
Principal	$6,909	
Interest and Other Expense	$206	
Servicemen's Mortgage Insurance Premiums for Existing Coverage	$250	
Appropriation Request: O&M, Leasing, and Debt Payment		$751,409
Net Appropriation Request		$860,409
Reimbursement Program		$18,000
Family Housing Program		$878,409
Less: Principal payment on debt		$ 6,909
FY 87 Family Housing Program (adjusted)		$885,318

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

APPROPRIATION LANGUAGE

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration; and for operations, utilities and maintenance, including minor construction; and for leasing; debt payment, principal and interest charges, and insurance premiums, as authorized by law, as follows: for construction, $109,000,000; for operations, utilities and maintenance,$664,268,000; for leasing, $79,776,000; for debt payment, $7,365,000; in all, $860,409,000. Provided, that the amount for construction shall remain available until September 30, 1991. (U.S.C. 2824, 2827-29, 2831, 2852-54, 2857; Military Construction Appropriation Act, 1985, as included in Public Law 98-473; additional authorizing legislation to be proposed.

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Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1981

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TPGE 1050

Identification code 57-7040-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				399		
01.0201 Improvements				2,746		
01.0301 Planning and design				473		
10.0001 Total				3,618		
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans	-7,988			-11,606		
21.4007 Reprograming from/to prior year budget pla	7,988			7,988		
25.0001 Unobligated balance lapsing						
39.0001 Budget authority						

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Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1982

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TPGE 1051

Identification code 57-7040-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				395	6,867	
01.0201 Improvements				27	597	
01.0301 Planning and design				71	97	
10.0001 Total				493	7,561	
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-8,054	-7,561	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				7,561		
39.0001 Budget authority						

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1983

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TPGE 1052

dentification code 57-7040-0-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est	1987 est	Obligations 1985 actual	1986 est	1987 est
	Program by activities:						
	Direct program:						
1.0101	Construction of new housing				2,169	4,114	1,154
1.0201	Improvements				10,084	2,067	2,474
1.0301	Planning and design				23	78	137
0.0001	Total				12,276	6,259	3,765
	Financing:						
	Unobligated balance available, start of year:						
1.4002	For completion of prior year budget plans				-22,300	-10,024	-3,765
	Unobligated balance available, end of year:						
4.4002	For completion of prior year budget plans				10,024	3,765	
9.0001	Budget authority						

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1984

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TPGE 1053

dentification code 57-7040-0-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est	Obligations 1985 actual	1986 est	1997 est
	Program by activities:						
	Direct program:						
1.0101	Construction of new housing				7,586	7,307	2,740
1.0201	Improvements				4,719	16,877	8,299
1.0301	Planning and design				423	267	100
0.0001	Total				12,726	24,451	11,139
	Financing:						
	Unobligated balance available, start of year:						
1.4002	For completion of prior year budget plans				-57,235	-44,507	-20,056
	Unobligated balance available, end of year:						
4.4002	For completion of prior year budget plans				44,507	20,056	8,917
9.0001	Budget authority						

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

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TPGE 1054

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	57-7040-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing	113,950			32	45,209	35,916
01.0201	Improvements	62,173			37,539	21,297	
01.0301	Planning and design	5,000			3,960	510	435
10.0001	Total	181,123			41,531	67,016	36,351
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans					-139,592	-72,576
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				139,592	72,576	36,225
40.0001	Budget authority (Appropriation)	181,123			181,123		

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

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TPGE 1055

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	57-7040-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing		131,000			48,780	47,197
01.0201	Improvements		46,300			2,721	6,133
01.0301	Planning and design		5,000			3,189	1,360
10.0001	Total		182,300			54,690	54,690
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						-127,610
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					127,610	72,920
40.0001	Budget authority (Appropriation)		182,300			182,300	

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987

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TPGE 1056

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	57-7040-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
1.0101	Construction of new housing			43,356			20,433
1.0201	Improvements			58,644			8,745
1.0301	Planning and design			7,000			3,522
10.0001	Total			109,000			32,700
	Financing:						
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans						76,300
10.0001	Budget authority (Appropriation)			109,000			109,000

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY

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TPGE 1057

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	57-7040-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
1.0101	Construction of new housing	113,950	131,000	43,356	10,581	112,277	107,440
1.0201	Improvements	62,173	46,300	58,644	55,115	43,559	25,631
1.0301	Planning and design	5,000	5,000	7,000	4,950	4,141	5,554
10.0001	Total	181,123	182,300	109,000	70,646	159,977	138,645
	Financing:						
	Unobligated balance available, start of year:						
1.4002	For completion of prior year budget plans				-99,195	-201,684	-224,007
1.4007	Reprograming from/to prior year budget pla	-7,988					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				201,684	224,007	194,362
25.0001	Unobligated balance lapsing	7,988			7,988		
10.0001	Budget authority (Appropriation)	181,123	182,300	109,000	181,123	182,300	109,000
	Relation of obligations to outlays:						
1.0001	Obligations incurred, net				70,646	159,977	138,645
2.4001	Obligated balance, start of year				144,490	110,169	152,936
3.0001	Obligated balance transferred, net				-2,601		
4.4001	Obligated balance, end of year				-110,169	-152,956	-150,553
7.0001	Adjustments in expired accounts				776		
0.0001	Outlays				103,142	117,210	141,028

Family Housing Construction, Air Force
Object Classification (in Thousands of dollars) SUMMARY

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TPGE 1058

Identification code 57-7040-0-1-051	1985 actual	1986 est	1987 est.
Direct obligations:			
132.001 Lands and structures	70,646	159,977	138,645
199.001 Total Direct obligations	70,646	159,977	136,645
999.901 Total obligations	70,646	159,977	138,645

Family Housing Construction, Air Force
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1982

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TPGE 1059

	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code 57-7040-6-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
Program by activities:						
10.0001 Total					-371	
Financing:						
Unobligated balance available, start of year:						
21.4007 Reprograming from/to prior year budget pla		-371				
23.4001 Unobligated balance reduction: Appropriation		371			371	
39.0001 Budget authority						

Family Housing Construction, Air Force
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1983

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TPGE 1060

Identification code	57-7040-6-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1985 actual	1986 est.	1987 est	1985 actual	1986 est	1987 est.
	Program by activities:						
10.0001	Total					-307	-184
	Financing:						
	Unobligated balance available, start of year:						184
21.4002	For completion of prior year budget plans		-491				
21.4007	Reprograming from/to prior year budget pla		491			491	
23.4001	Unobligated balance reduction: Appropriation						
	Unobligated balance available, end of year:					-184	
24.4002	For completion of prior year budget plans						
39.0001	Budget authority						

Family Housing Construction, Air Force
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1984

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TPGE 1061

Identification code	57-7040-6-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1985 actual	1986 est.	1987 est	1985 actual	1986 est.	1987 est
	Program by activities:						
10.0001	Total					-1,198	-546
	Financing						
	Unobligated balance available, start of year:						983
21.4002	For completion of prior year budget plans		-2,181				
21.4007	Reprograming from/to prior year budget pla		2,181			2,181	
23.4001	Unobligated balance reduction: Appropriation						
	Unobligated balance available, end of year:					-983	-437
24.4002	For completion of prior year budget plans						
39.0001	Budget authority						

Family Housing Construction, Air Force
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

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TPGE 1062

Identification code 57-7040-6-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est	1987 est	Obligations 1985 actual	1986 est	1987 est.
	Program by activities:						
	Direct program:						
00.0301	Improvements					-3,284	-1,781
00.2001	Undistributed	-6,840					
10.0001	Total	-6,840				-3,284	-1,781
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						3,556
21.4007	Reprograming from/to prior year budget pla	6,840	-6,840				
23.4001	Unobligated balance reduction: Appropriation		6,840			6,840	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					-3,556	-1,775
39.0001	Budget authority						

Family Housing Construction, Air Force
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

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TPGE 1063

Identification code 57-7040-6-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est	1987 est	Obligations 1985 actual	1986 est	1987 est.
	Program by activities:						
	Direct program:						
00.0301	Improvements					-2,680	-2,680
00.2001	Undistributed		-8,933				
10.0001	Total		-8,933			-2,680	-2,680
	Financing:						
	Unobligated balance available, start of year						
21.4002	For completion of prior year budget plans						6,253
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					-6,253	-3,573
40.0001	Budget authority (Appropriation)		-8,933			-8,933	

Family Housing Construction, Air Force
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) SUMMARY

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TPGE 1064

Identification code 57-7040-6-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0301	Improvements					-7,840	-5,191
00.2001	Undistributed	-6,840	-8,933				
10.0001	Total	-6,840	-8,933			-7,840	-5,191
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						10,976
21.4007	Reprograming from/to prior year budget pla	6,840	-9,883				
23.4001	Unobligated balance reduction: Appropriation		9,883			9,883	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					-10,976	-5,785
40.0001	Budget authority (Appropriation)		-8,933			-8,933	
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net					-7,840	-5,191
72.4001	Obligated balance, start of year						-7,557
74.4001	Obligated balance, end of year					7,557	7,164
90.0001	Outlays					-283	-5,584

Family Housing Construction, Air Force
(Reduction Pursuant to Public Law 99-177)
Object Classification (in Thousands of dollars) SUMMARY

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TPGE 1065

Identification code 57-7040-6-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
192.001	Undistributed		-7,840	-5,191
199.001	Total Direct obligations		-7,840	-5,191
999.901	Total obligations		-7,840	-5,191

Family Housing Operations and Debt, AF
Program and Financing (in Thousands of dollars)

Identification code 57-7045-0-1-051		1985 actual	1986 est	1987 est.
	Program by activities:			
	Direct program			
02.0101	Operating expenses	305,664	324,361	356,584
02.0201	Leasing	35,980	40,000	79,776
02.0301	Maintenance of real property	331,475	285,800	307,684
02.0401	Interest payments	1,553	700	206
02.0501	Mortgage insurance premiums	242	307	250
02.9101	Total direct program	674,914	651,168	744,500
03.0101	Reimbursable Program	11,543	15,000	18,000
10.0001	Total obligations	686,459	666,168	762,500
	Financing:			
	Offsetting collections from:			
11.0001	Federal funds(-)	-3,044	-1,500	-1,500
13.0001	Trust funds(-)	-13		
14.0001	Non-Federal sources(-)	-8,488	-13,500	-16,500
25.0001	Unobligated balance lapsing	27,876		
31.0001	Redemption of debt	807		
39.0001	Budget authority	703,598	651,168	744,500
	Budget authority			
40.0001	Appropriation	730,920	664,975	751,409
40.4701	Portion applied to debt reduction(-)	-27,322	-13,807	-6,909
43.0001	Appropriation (adjusted)	703,598	651,168	744,500
	Relation of obligations to outlays:			
71.0001	Obligations incurred, net	674,914	651,168	744,500
72.4001	Obligated balance, start of year	396,214	383,886	432,272
73.0001	Obligated balance transferred, net	2,601		
74.4001	Obligated balance, end of year	-383,886	-432,272	-572,772
77.0001	Adjustments in expired accounts	2,032		
90.0001	Outlays	691,976	602,782	604,000

Family Housing Operations and Debt, AF
Object Classification (in Thousands of dollars)

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TPGE 1067

Identification code 57-7045-0-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
21.001	Travel and transportation of persons	136	143	160
22.001	Transportation of things	1,892	2,002	2,240
23.201	Rental payments to others	264,817	217,235	258,942
	Other services:			
25.003	Contracts	156,498	165,594	185,295
25.004	Other	85,412	90,376	101,128
26.001	Supplies and materials	8,446	8,937	10,001
31.001	Equipment	26,285	27,814	31,122
32.001	Lands and structures	118,252	125,125	140,011
'43.001	Interest and dividends	13,176	13,942	15,601
99.001	Total Direct obligations	674,914	651,168	744,500
	Reimbursable obligations:			
'23.201	Rental payments to others	810		
	Other services:			
25.004	Other	10,735	15,000	18,000
'99.001	Total Reimbursable obligations	11,545	15,000	18,000
99.001	Total obligations	686,459	666,168	762,500

Family Housing Operations and Debt, AF
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) SUPPLEMENTAL

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TPGE 1068

dentification code 57-7045-6-1-051		1985 actual	1986 est.	1987 est.
	Program by activities:			
0.0001	Total obligations		-31,907	
	Financing:			
0.0001	Budget authority (Appropriation)		-31,907	
	Relation of obligations to outlays:			
1.0001	Obligations incurred, net		-31,907	
2.4001	Obligated balance, start of year			-11,198
4.4001	Obligated balance, end of year		11,198	4,054
0.0001	Outlays		-20,709	-7,144

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Family Housing Operations and Debt, AF
(Reduction Pursuant to Public Law 99-177)
Object Classification (in Thousands of dollars) SUPPLEMENTAL

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TPGE 1069

Identification code 57-7045-6-1-051	1985 actual	1986 est	1987 est.
Direct obligations:			
192.001 Undistributed		-31,907	
199.001 Total Direct obligations		-31,907	
999.901 Total obligations		-31,907	

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

NEW CONSTRUCTION

Program (In Thousands)

FY 1987 Program $ 43,356
FY 1986 Program $131,000

Purpose and Scope

This program provides for the construction of new homes at locations where off-base assets are not available to provide adequate housing for Air Force personnel; support facilities at locations where existing facilities are not adequate; and an addition to a mobile home park. Costs reflect all amounts necessary to provide complete and usable facilities.

Program Summary

Authorization is requested for:

(1) Construction of 523 units of family housing, 4 support facilities, 24 pad mobile home park addition, and
(2) Appropriation of $43,356,000 to fund these requirements.

A summary of the funding program for FY 1987 follows:

	Number of Units	Requested Authorization Amount ($000)
New Housing		
Bitburg AB, Germany	332	26,415
Hahn AB, Germany	150	11,300
Osan AB, Korea	1	160
La Junta, CO	40	4,000
Support Facilities		
Beale AFB, CA (Housing Maintenance Shop)	Support	180
Davis Monthan AFB, AZ (Housing Office)	Support	300
McGuire AFB, NJ (Housing Office)	Support	325
Pope AFB, NC (Housing Office)	Support	300
Mobile Home Park		
Edwards AFB, CA	24 Pads	376
TOTAL		43,356

February 1986

1 COMPONENT AIR FORCE	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION BITBURG AB, GERMANY	4 PROJECT TITLE FAMILY HOUSING

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 711-142	7 PROJECT NUMBER BSGX875201	8 PROJECT COST ($000) 26,415

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing	EA	332	51,401	17,065
Buildings	LS			(16,268)
Solar	LS			(797)
Supporting Costs				6,781
Site preparation	LS			(2,154)
Roads and Paving	LS			(1,305)
Utilities	LS			(2,610)
Recreation	LS			(131)
Landscaping	LS			(326)
Appliances	LS			(255)
Subtotal				23,846
Contingency (5%)				1,192
Total Contract Cost				25,038
Supervision, Inspection & Overhead (5%)				1,377
Total Request				26,415

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of 332 military family housing units with all necessary supporting facilities. U.S. manufactured units will be procured by turnkey procedures. Project design will include single or multi-family housing. Composition of project is shown below. Housing will include heating, energy conserving solar features and appliances (washer, dryer, range, refrigerator, dishwasher, water heater, disposal). Supporting facilities include all site preparation, utility systems, roads, parking, sidewalks, and landscaping. Project composition:

UNIT TYPE	NET AREA	PROJECT FACTOR	$/ NSF	NO. UNITS	($000) TOTAL COST
JAMN 2BR	950	.9314	48	200	8,494
JAMN 3BR	1200	.9314	48	47	2,521
JAMN 4BR	1350	.9314	48	20	1,207
SAMN 3BR	1350	.9314	48	40	2,413
CGO 3BR	1350	.9314	48	10	603
CGO 4BR	1450	.9314	48	5	324
FGO 3BR	1400	.9314	48	4	250
SGO 4BR	1700	.9314	48	6	456
				332	16,268

11. REQUIREMENT: Additional adequate base quarters are required to house military families assigned to the Bitburg community. These units will partially relieve the critical shortage of on-base and off-base housing for accompanied personnel caused by the existing deficit and a new mission phase-in.

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION BITBURG AB, GERMANY		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER BSGX875201

CURRENT SITUATION: Demand for economical housing continues to exceed availability. New construction is sporadic. Most new units are built for sale to private owners who occupy them. Only a few are built for investment purposes. The Housing Referral Office is able to list few of these for rent to USAF military members. There is a constant loss of private assets because landlords generally rent their properties from three to ten years and then use the quarters to house members of their own families. There is public bus transportation but it is not adequate to transport Air Force personnel to and from base. Outlying villages do not have bus transportation for schools.

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3 INSTALLATION AND LOCATION BITBURG AIR BASE, FEDERAL REPUBLIC OF GERMANY	4 COMMAND UNITED STATES AIR FORCES IN EUROPE	5. AREA CONSTR COST INDEX .96

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep- 85	314	3,418	100	0	0	0	40	744	26	4,642
b. END FY 1991	322	3,510	112	0	0	0	40	744	26	4,754

7 INVENTORY DATA ($000)

a TOTAL ACREAGE (1,372)	
b INVENTORY TOTAL AS OF	$12,031
c AUTHORIZATION NOT YET IN INVENTORY	0
d AUTHORIZATION REQUESTED IN THIS PROGRAM	26,415
e AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,864
f PLANNED IN NEXT THREE PROGRAM YEARS	40,555
g REMAINING DEFICIENCY	0
h GRAND TOTAL	98,865

8 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711-142	FAMILY HOUSING	332	$26,415		

9. FUTURE PROJECTS: Additional units are programmed as follows:

FY 88	204 units	19,864
FY 90	400 units	40,555

10. MISSION OR MAJOR FUNCTIONS: This base hosts a wing headquarters which is responsible for management, command, control and direction for USAFE units assigned and three tactical fighter squadrons operating F-15 aircraft which supports contingency and war plans. This base will host a tactical reconnaissance group headquarters which will be responsible for management, command, control and direction of units assigned to the base which operate TR-1 aircraft.

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF

1. DATE	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT AIR FORCE

4. INSTALLATION AND LOCATION

BITBURG AIR BASE, GERMANY - ONE MILE SOUTH OF BITBURG CITY

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of 30 Sep 84)			PROJECTED (As of FY90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	335	2110	2445	513	2676	3189
6. LESS: VOLUNTARY SEPARATIONS	5	102	107	7	125	132
7. EFFECTIVE HOUSING REQUIREMENTS	330	2008	2338	506	2551	3057
8. LESS: ADEQUATE HOUSING	303	1750	2053	288	1849	2137
A. UNDER MILITARY CONTROL	127	992	1119	112	1091	1203
(1) Existing	127	992	1119	112	1091	1203
(2) Under Construction						
(3) Approved						
(4) Leased						
(5) Other						
B. PRIVATE HOUSING	176	758	934	176	758	934
(1) Owned Houses		9	9		9	9
(2) Owned Trailers						
(3) Occupied Rental Housing	176	749	925	176	749	925
(4) Vacant Rental Housing						
9. EFFECTIVE HOUSING DEFICIT	27	258	285	218	702	920
A. INVOLUNTARILY SEPARATED FAMILIES	3	62	65			
B. SUBSTANDARD HOUSING	24	190	214			
C. EXCESS DISTANCE HOUSING		6	6			
D. EXCESS COST HOUSING						
10. PROPOSED PROJECT				25	307	332
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			27.1%	54.8%	50.2%
	ALL HOUSING			61.9%	84.5%	80.8%

12. COMMENTS ON SPECIFIED ITEMS

10. Discussions with community leaders and a review of current and projected community assets show that the local market cannot satisfy the housing needs for military families in the area. The only way to provide adequate housing is to construct additional housing thru MCP.

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION HAHN AB, GERMANY (NEW MISSION)	4 PROJECT TITLE FAMILY HOUSING

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 711-142	7 PROJECT NUMBER JWEC875203	8 PROJECT COST ($000) 11,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing	EA	150	59,473	8,921
Buildings	LS			(8,561)
Solar	LS			(360)
Supporting Costs				1,280
Site preparation	LS			(385)
Roads and Paving	LS			(233)
Utilities	LS			(466)
Recreation	LS			(23)
Landscaping	LS			(58)
Appliances	LS			(115)
Subtotal				10,201
Contingency (5%)				510
Total Contract Cost				10,711
Supervision, Inspection & Overhead (5.5%)				589
Total Request				11,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of 150 military family housing units with all necessary supporting facilities. U.S. manufactured units will be procured by turnkey procedures. Project design will include single or multi-family housing. Composition of project is shown below. Housing will include heating, energy conserving solar features and appliances (washer, dryer, range, refrigerator, dishwasher, water heater, disposal). Supporting facilities include all site preparation, utility systems, roads, parking, sidewalks, and landscaping. Project composition:

UNIT TYPE	NET AREA	PROJECT FACTOR	$/ NSF	NO. UNITS	($000) TOTAL COST
SAMN 4BR	1450	.9312	48	54	3,500
CGO 2BR	950	.9312	48	46	1,954
CGO 3BR	1350	.9312	48	35	2,112
CGO 4BR	1450	.9312	48	10	648
FGO 4BR	1550	.9312	48	5	347
				150	8,561

11. REQUIREMENT: Adequate base living quarters are required for housing of Air Force families. These units will partially relieve the critical shortage of on-base and off-base housing for accompanied personnel caused by the new mission phase-in.

U.S. G.P.O. 1984-420-979/13475

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86

3. INSTALLATION AND LOCATION

HAHN AB, GERMANY (NEW MISSION)

4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER JWEC875203

CURRENT SITUATION: Demand for economical housing continues to exceed availability. New construction is sporadic. Most new units are built for sale to private owners who occupy them. Only a few are built for investment purposes. The Housing Referral Office is able to list few of these for rent to USAF military members. There is a constant loss of private assets because landlords generally rent their properties from three to ten years and then use the quarters to house members of their own families. There is public bus transportation but it is not adequate to transport Air Force personnel to and from base. Outlying villages do not have bus transportation for schools.

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF. PAGE NO

U.S. G.P.O. 1977-241-130/1215

1. COMPONENT		2. DATE
AIR FORCE	**FY 19 87 MILITARY CONSTRUCTION PROGRAM**	

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
HAHN AIR BASE, FEDERAL REPUBLIC OF GERMANY	UNITED STATES AIR FORCES IN EUROPE	.96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	352	4,191	788	0	0	0	17	351	0	5,699
b. END FY 1991	388	5,207	900	0	0	0	17	351	0	6,863

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (1,462)	
b. INVENTORY TOTAL AS OF 30 Sep 85	$6,108
c. AUTHORIZATION NOT YET IN INVENTORY	44,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	20,500
h. GRAND TOTAL	82,408

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711-142	FAMILY HOUSING	150	$11.3		

9. FUTURE PROJECTS: None

10. MISSION OR MAJOR FUNCTIONS: This base hosts a Tactical Fighter Wing which is responsible for management, command, control, and direction for three tactical fighter squadrons operating F-16 aircraft supporting contingency and war plans. Also supports units in surrounding areas. This base will host a tactical missile group headquarters which will be responsible for management, command, control and direction of units assigned to the base including tactical missile squadrons which operate BGM-109 missiles.

1. DATE	2. FISCAL YEAR	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT
	1987		AIR FORCE

4. INSTALLATION AND LOCATION

HAHN AIR BASE - 40 MILES SSW OF KOBLENZ
GERMANY

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of 30 Sep 84)			PROJECTED (As of FY90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	388	2350	2738	528	3420	3948
6. LESS: VOLUNTARY SEPARATIONS	6	65	71	8	79	87
7. EFFECTIVE HOUSING REQUIREMENTS	382	2285	2667	520	3341	3861
8. LESS: ADEQUATE HOUSING	369	2225	2594	392	2426	2818
A. UNDER MILITARY CONTROL	105	835	940	127	1025	1152
(1) Existing	75	565	640	83	589	672
(2) Under Construction	▨	▨	▨			
(3) Approved	▨	▨	▨	14	166	180
(4) Leased	30	270	300	30	270	300
(5) Other						
B. PRIVATE HOUSING	264	1390	1654	265	1401	1666
(1) Owned Houses	4	7	11	4	7	11
(2) Owned Trailers						
(3) Occupied Rental Housing	260	1383	1643	260	1383	1643
(4) Vacant Rental Housing	▨	▨	▨	1	11	12
EFFECTIVE HOUSING DEFICIT	13	60	73	128	915	1043
A. INVOLUNTARILY SEPARATED FAMILIES	2	33	35	▨	▨	▨
B. SUBSTANDARD HOUSING	9	12	21	▨	▨	▨
C. EXCESS DISTANCE HOUSING	2	15	17	▨	▨	▨
D. EXCESS COST HOUSING				▨	▨	▨
10. PROPOSED PROJECT	▨	▨	▨	96	54	150
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			42.9%	32.3%	33.7%
	ALL HOUSING			93.9%	74.2%	76.9%

12. COMMENTS ON SPECIFIED ITEMS

10. There is a lack of family housing in the surrounding communities to support the Air Force requirement. There is an average of 300 eligible sponsors waiting for 972 existing on-base units. The vacancy rate for these units is less than 1%. There are 3,000 rental units scattered in 204 villages within a 25 mile radius of the base. Travel on local roads is hampered in the winter due to heavy snow. Construction of 150 on-base units will help reduce the shortage of housing for Air Force personnel.

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION OSAN AIR BASE, KOREA	4 PROJECT TITLE FAMILY HOUSING

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 711-142	7 PROJECT NUMBER SMYU860801	8 PROJECT COST ($000) 160

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Replace General Officer Family House, B-1071	LS			135.3
Buildings	SF	3,000	48.00	(132.1)
Solar	LS			(3.2)
Supporting costs	LS			9.8
Site Preparation	LS			(3.0)
Roads and Pavements	LS			(1.8)
Utilities	LS			(3.7)
Landscaping/Site Preparation	LS			(.6)
Special Construction	LS			(.7)
Subtotal				145.1
Contingency (5%)				7.3
Total Contract Cost				152.4
Supervision Inspection & Overhead (5%)				7.6
Total Request				160.0

10 DESCRIPTION OF PROPOSED CONSTRUCTION Project provides all work necessary to construct a General/Flag officer family housing unit, including all utilities, fire detection and supporting structures. This includes heating, air conditioning, energy conservation features, garage and carport, storage and house appliances. Supporting facilities include site preparation, electricity, water, sewer, pavements, walks, patio, landscaping, security fence and demolition of old facility.

11. REQUIREMENT: 3000 SF (Net): Adequate: 0 SF; Substandard: 3673 SF; Category Code 711-143 (Family Housing, Appropriated 1950 to 1969).

PROJECT: Construct a single family housing unit with attached garage.

REQUIPEMENT: The existing building is in substandard condition and was constructed in 1953 using three temporary sheet metal prefabricated huts built to last only five years. Major repair and maintenance work is now required to maintain this facility in a livable condition.

CURRENT SITUATION: Complete replacement of deteriorated electrical systems, rotting wood structures, walls, ceilings, and insulation are required. Deterioration of this facility due to its temporary construction, extreme age, and fair wear and tear requires immediate replacement. The facility has large energy requirements for heating and air conditioning due to its condition. The senior U.S. Air Force representative's official responsibilities in Korea require hosting large social events. Dignitaries attending these events have included the President of Korea, Korean cabinet officials, ROK Chairman of the Joint Chiefs of Staff, and U.S. and other nations' equivalents.

IMPACT IF NOT PROVIDED: The social responsibilities of the senior U.S. Air Force representative in Korea will not be adequately met and the living conditions for the occupant will continue to deteriorate.

[illegible]

1 COMPONENT AIR FORCE	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION LA JUNTA, COLORADO	4 PROJECT TITLE FAMILY HOUSING

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 711-142	7 PROJECT NUMBER MNDJ870027	8 PROJECT COST ($000) 4,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing	EA	40	62,100	2,484
Buildings	LS			(2,327)
Solar	LS			(157)
Supporting Costs				1,144
Site Preparation	LS			(367)
Roads and Paving	LS			(223)
Utilities	LS			(445)
Recreation	LS			(22)
Landscaping	LS			(56)
Appliances	LS			(31)
Subtotal				3,628
Contingency (5%)				181
Total Contract Cost				3,809
Supervision, Inspection & Overhead (5%)				191
Total Request				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of 40 military family housing units with all necessary supporting facilities. Project design will provide manufactured or site-built single or multi-family housing. Composition of project is shown below. Housing will include heating, energy conserving solar features and appliances (range, refrigerator, dishwasher, water heater, disposal). Supporting facilities include all site preparation, utility systems, roads, parking, sidewalks, and landscaping. Project composition:

UNIT TYPE	NET AREA	PROJECT FACTOR	$/ NSF	NO. UNITS	($000) TOTAL COSTS
JAMN 2BR	950	1.01	48	12	552
JAMN 3BR	1200	1.01	48	12	698
JAMN 4BR	1350	1.01	48	4	262
SAMN 3BR	1350	1.01	48	6	393
SAMN 4BR	1450	1.01	48	4	281
CGO 3BR	1350	1.01	48	1	66
FGO 4BR	1550	1.01	48	1	75
				40	2,327

11. REQUIREMENT: This project will provide adequate military family housing for the Radar Bomb Scoring Site (RBSS) located near La Junta, Colorado.

CURRENT SITUATION: La Junta is a small Eastern Colorado town. There is virtually no housing available to the Air Force detachment. Community support surveys reveal that no commercial housing support can be expected in the near future.

U.S. G.P.O. 1984-420-979/1357

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LA JUNTA, COLORADO	4. COMMAND STRATEGIC AIR COMMAND	5. AREA CONSTR COST INDEX .98

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	2	105	1							108
b. END FY 19 91	2	86	1							89

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (6)	
b. INVENTORY TOTAL AS OF 30 Sep 85	$0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	4,000

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711-142	FAMILY HOUSING	40	$4,000		

9. FUTURE PROJECTS: NONE

10: MISSION OR MAJOR FUNCTIONS: Provides a wide range of simulated ground threats for bomber flight crew training. Scores effectiveness of crew electronics warfare counter-measure actions as well as their simulated weapons release.

DD FORM 1 DEC 76 1390 PREVIOUS EDITION IS OBSOLETE IN THE USAF.

PAGE NO

1. DATE	2. FISCAL YEAR	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT
	1987		AIR FORCE

4. INSTALLATION AND LOCATION
LAJUNTA STRATEGIC TRAINING RANGE - SEVEN MILES NORTH-NORTHEAST OF LAJUNTA, COLORADO

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of 30 Sep 84)			PROJECTED (As of FY90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	3	63	66	3	62	65
6. LESS: VOLUNTARY SEPARATIONS		1	1		1	1
7. EFFECTIVE HOUSING REQUIREMENTS	3	62	65	3	61	64
8. LESS: ADEQUATE HOUSING	1	23	24	1	23	24
A. UNDER MILITARY CONTROL						
(1) Existing						
(2) Under Construction	▨	▨	▨			
(3) Approved	▨	▨	▨			
(4) Leased						
(5) Other						
B. PRIVATE HOUSING	1	26	27	1	23	24
(1) Owned Houses	1	9	10	1	9	10
(2) Owned Trailers		3	3		0	0
(3) Occupied Rental Housing		14	14		14	14
(4) Vacant Rental Housing	▨	▨	▨		0	0
9. EFFECTIVE HOUSING DEFICIT	2	36	38	2	38	40
A. INVOLUNTARILY SEPARATED FAMILIES				▨	▨	▨
B. SUBSTANDARD HOUSING	2	36	38	▨	▨	▨
C. EXCESS DISTANCE HOUSING				▨	▨	▨
D. EXCESS COST HOUSING				▨	▨	▨
10. PROPOSED PROJECT	▨	▨	▨	2	38	40
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			66.6%	62.3%	62.5%
	ALL HOUSING			100.0%	100.0%	100.0

12. COMMENTS ON SPECIFIED ITEMS

10. This project is required to support the Air Force families as there is a lack of adequate community housing. Air Force families must compete with college students and migrant farm workers for rental housing that is substandard. Housing costs exceed base allowance for quarters and variable housing allowance. Some houses lack ranges and refrigerators. Poor insulation and deposits for gas meters ($250) and electric/water/sewer ($80) add to utility costs. Construction of this project is required to provide adequate housing for Air Force families serving in this rural town, population 8,900.

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE MILITARY FAMILY HOUSING MAINTENANCE FACILITY

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 219-944	7 PROJECT NUMBER BAEY879003	8 PROJECT COST ($000) 180

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Military Family Housing Maintenance Facility				114
Pre-Fabricated Building and Foundation	SF	5000	22.40	(114)
Supporting Costs				49
Mechanical	SF	5000	5.00	(25)
Electrical	SF	5000	3.60	(18)
Fire Suppression	LS			(4)
Fuel Tank	LS			(2)
Subtotal				163
Contingency (5%)				8
Total Contract Cost				171
Supervision, Inspection & Overhead (5%)				9
Total Request				180

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a prefabricated metal building on a reinforced concrete foundation and floor slab, complete with all utilities necessary to support a Family Housing Maintenance Shop. Work includes fenced vehicle parking area and necessary support for a complete and usable facility.

11. REQUIREMENT: As required.

PROJECT: Construct a civil engineering maintenance facility for Military Family Housing (MFH).

REQUIREMENT: This project is required to provide a centralized family housing maintenance facility.

CURRENT SITUATION: The current facility was originally constructed for temporary contractor use. There is no foundation for the existing building, and the floor joists are rotting due to ground contact. The building is beyond useful life and will be demolished upon replacement.

IMPACT IF NOT PROVIDED: MFH maintenance will continue to be spread out and be unable to effectively function in an efficient manner.

U.S. G.P.O. [illegible]

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE		FEB 86

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	FAMILY HOUSING MANAGEMENT OFFICE

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
88741	610-119	FBNV860039	300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Management Office	SF	3,000	70	210
Supporting Facilities	LS			62
Parking	LS			(21)
Site Improvements	LS			(20)
Utilities	LS			(21)
Subtotal				272
Contingency (5%)				14
Total Contract Cost				286
Supervision, Inspection & Overhead (5%)				14
Total Request				300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, sloped roof, all utilities and necessary support. Areas include administrative offices, reception area, conference room, latrines, storage, and mechanical space. Project to provide adequate parking and a recreation area for dependent children.

11. REQUIREMENT: 3000 SF ADEQUATE: 0 SF SUBSTANDARD: 2262 SF

PROJECT: Construct a family housing management office.

REQUIREMENT: Consolidate base family housing customer service, assistance section, and facilities management into one facility, to provide adequate facilities management and service to military families.

CURRENT SITUATION: Presently, the family housing branch is located in a former family housing unit. Recent housing management initiatives to improve customer service and facility management cannot be fully implemented due to lack of space and poor functional arrangement of the present facility. Having the housing office located within the housing area generates excessive traffic and other inappropriate activities for the area. Project accomplishment will allow the base to convert the facility back to original condition for use as a military family housing unit.

U.S. G.P.O. 1984-420-979/13478

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY	4 PROJECT TITLE FAMILY HOUSING MANAGEMENT OFFICE

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 610-119	7 PROJECT NUMBER PTFL870014	8 PROJECT COST ($000) 325

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Management Office	SF	2,800	73	204.4
Supporting Facilities	LS			90.0
Parking	LS			(30.0)
Site Improvements	LS			(25.0)
Utilities	LS			(35.0)
Subtotal				294.4
Contingency (5%)				14.7
Total Contract Cost				308.1
Supervision, Inspection & Overhead (5.5%)				16.9
Total Request				325.0

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, sloped roof, all utilities and necessary support. Areas include administrative offices, reception area, conference room, latrines, storage and mechanical space. Project to provide adequate parking, landscaping and recreation area for dependent children.

11. REQUIREMENT: 2800 SF ADEQUATE 0 SF SUBSTANDARD: 3814 SF

PROJECT: Construct a family housing management office.

REQUIREMENT: Consolidate base family housing customer service, assistance section, and facilities management into one facility, to provide adequate facilities management and service to military families.

CURRENT SITUATION: The family housing office is located in a 30 year old wooden structure constructed for use as a temporary lodging facility. The facility is shared by the Base Traffic Management Office and Services Division. Recent structural failures have caused the floor joists to shift, creating potential safety problems. Recent housing management initiatives to improve customer service and facility management cannot be fully implemented due to poor functional arrangement of the present facility. Facility management and customer service is inefficient due to the existing office's location approximately 2 miles from the nearest housing area.

U.S. G.P.O. 1984-420-979/13478

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA	4 PROJECT TITLE FAMILY HOUSING MANAGEMENT OFFICE

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 610-119	7 PROJECT NUMBER TMKH900452	8 PROJECT COST ($000) 300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Management Office	SF	2,800	70	196
Supporting Facilities	LS			74
Parking	LS			(25)
Site Improvements	LS			(24)
Utilities	LS			(25)
Subtotal				270
Contingency (5%)				14
Total Contract Cost				284
Supervision, Inspection & Overhead (5.5%)				16
Total Request				300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete foundation and floor slab, masonry walls, sloped roof, all utilities and necessary support. Areas include administrative offices, reception area, conference room, latrines, storage and mechanical space. Project to provide adequate parking and a recreation area for dependent children.

11. REQUIREMENT: 2800 SF ADEQUATE: 0 SF SUBSTANDARD: 2310 SF

PROJECT: Construct a family housing management office.

REQUIREMENT: Consolidate base family housing customer service, assistance section, and facilities management into one facility to provide adequate facilities management and service to military families.

CURRENT SITUATION: Presently, the family housing branch is located in two former family housing units. Recent housing management initiatives to improve customer service and facility management cannot be fully implemented due to lack of space and poor functional arrangement of the present facility. Having the housing office located within the housing area generates excessive traffic and other inappropriate activities for the area. Project accomplishment will allow the base to convert the two facilities back to original condition for use as military family housing units.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4 PROJECT TITLE CONSTRUCT MOBILE HOME PARK, ADDITIONAL 24 SPACES

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 713-266	7 PROJECT NUMBER FSPM860504	8 PROJECT COST ($000) 376

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Expand Mobile Home Park	LS			358
Pipe Culvert	LF	1,500	30	(45)
Landscaping	SY	15,556	6	(92)
Piping	LF	11,000	6	(65)
Asphalt	SY	8,578	7	(57)
Telephone Pole and Street Light	EA	20	1550	(31)
Concrete	SY	700	20	(14)
Trailer Pad	SY	5,311	2	(10)
Transformer	KVA	150	47	(7)
Wire	LF	5,300	2	(11)
Clearing and Grading	SY	15,556	1	(14)
Fire Hydrant	EA	5	1400	(7)
Sewer Manhole	EA	4	1250	(5)
Subtotal				358
Contingencies (5%)				18
Total Request				376

10 DESCRIPTION OF PROPOSED CONSTRUCTION Expand the mobile home park by 24 triple-wide and double-wide mobile home spaces. This will involve clearing, grading, and installation of pipe culverts, construction of roads, gas, water, sewer, and electrical lines, street lights, fire hydrants, sewer manholes, trailer parking pads, patios sidewalks and car parking areas. Provide necessary utility hookup capabilities and landscaping.

11. REQUIREMENT: As required.

PROJECT: Construct 19 double-wide and 5 triple-wide mobile home spaces.

REQUIREMENT: The expansion of the mobile home park by 24 spaces is required to help meet the housing needs of Edwards AFB.

CURRENT SITUATION: Military family housing at Edwards has maintained a 99% occupancy rate and the mobile home park is normally 100% occupied. When a mobile home space does become available it is often a single-wide space while present demands are for double and triple-wide spaces. The nearest off-base mobile home park is 15 miles from the main base and is normally full. Off-base housing prices continue to increase with Air Force and contractor personnel (supporting the B-1B production) competing for limited off-base housing.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

U.S. G.P.O. 1984-420-[illegible]

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION

Program (In Thousands)

FY 1987 Program $58,644
FY 1986 Program $46,300

Purpose and Scope

The Post Acquisition Improvement Program provides improvements/alterations to quarters to increase livability and extend their useful life. Energy conservation improvements are included. The average age of housing units in the Air Force inventory exceeds 29 years and many of these units require major expenditures to repair or replace deteriorated mechanical, electrical or structural components and to provide some of the modern amenities found in comparable community housing. The FY 87 budget request provides for upgrading almost 5,000 housing units.

Consistent with Appropriation Committees' language in the FY 85 Budget Request Marks, the Air Force has gathered data on FY 87 improvement projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal. Five of the overseas improvement projects exceed the $30,000 per unit cost limitation. These projects include total upgrade, maintenance and repair requirements essential to restoring badly deteriorated housing units to another 25 years of useful life. Projects at Kadena AB, Japan; Andersen AFB, Guam; Clark AB, Philippines (2); and Ramstein AB, Germany will renovate 30 year old housing units that have never had any major repair or renovation work. Current housing deficits and the shortage of off-base housing at these locations make these larger than normal expenditures essential to protect our investments in the housing and to preserve the assets for continued use. Projects for the Selected Family Housing Improvement program (our program to reduce high annual O&M costs in historical and general officer quarters) are at the following locations: USAF Academy, CO; Andrews AFB, MD; Plattsburgh AFB, NY; Langley AFB, VA; Kadena AB, JA; MacDill AFB, FL; and Randolph AFB, TX.

The whole house concept has been emphasized in all improvement projects. The projects encompass all foreseen requirements, including energy conservation improvements, for at least three years and extend the economic use of each unit at least 25 years.

February 1986

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

The FY 86 appropriation did not provide sufficient funds to accomplish the entire Post Acquisition Improvement Program (PAIP) authorized in FY 86. Therefore, the remainder of the PAIP will be accomplished with the FY 87 appropriation and is identified in this submission for information.

The Air Force submits for authorization a Post Acquisition Improvement Program of $70,025,000. The previously approved FY 86 projects are expected to be accomplished within the $58,644,000 appropriation request. The additional FY 87 projects proposed, which bring the program total to about $88 million, or 150 percent of the appropriation requested for FY 87, will ensure that the Air Force is able to fully obligate the PAIP appropriation in the budget year with Congressionally approved projects. In past years, when projects could not be executed because of design, cost or constructability difficulties, and had to be deferred, we have had difficulty substituting projects in sufficient time to maintain timely program execution. With alternative projects approved and authorized, we will ensure the entire PAIP appropriation is advertised and awarded in the budget year. Approval of the House of Representatives and Senate Committees on Appropriations will be requested when reprogramming is required.

Program Summary

Authorization is requested for:

(1) Various improvements to existing public quarters, as described on DD Form 1391, pages 1166-1182;

(2) Appropriation of $58,644,000 to fund these improvements, including the remainder of the prior year PAIP; and

(3) Various alternative improvements to existing public quarters, as described on DD Form 1391, pages 1200-1209.

NOTE: Projects within the program have associated concurrent maintenance and repair cost, but are within the statutory limitation of $30,000 per unit except as identified by separate DD Form 1391.

February 1986

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

PRIOR YEAR POST ACQUISITION IMPROVEMENT PROGRAM

The following prior year PAIP is planned for accomplishment with the FY 87 appropriation, and is identified in this submission for information.

February 1986

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4 PROJECT TITLE PRIOR YEAR FAMILY HOUSING IMPROVEMENTS

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 17,959

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects to improve existing public quarters.	UN	1,953	9,196	17,959

10 DESCRIPTION OF PROPOSED CONSTRUCTION Projects include all work necessary to rehabilitate military family housing by providing the following features: adequate kitchens with modern amenities; modernizing antiquated bathrooms; air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, setback thermostats, solar screens, and more efficient heating and cooling systems. Safety related work includes replacement of defective electrical circuits and heating systems. (Continued on next pages.)

11. REQUIREMENT:

PROJECT: This request is for appropriation of $17.959 million to accomplish improvements and conserve energy in family housing units.

REQUIREMENT: To rehabilitate and improve the livability of older, obsolescent family housing units, and to conserve energy in these older housing units.

CURRENT SITUATION: Units in the Air Force inventory vary in age from 15 to 138 years. The majority were constructed since the late 1940's using various design and construction criteria, with different types of equipment, and at varying costs. As a result, the units vary in size, material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive, energy resources. Insulation, storm windows, etc., not previously cost effective, are now requirecd. The FY 1987 program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operating costs and improving safety aspects.

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PAGE NO

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA FEB 86	2 DATE
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE PRIOR YEAR FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
FLORIDA	
Hurlburt Field	
Improve 380 Appropriated fund units (FY 50-69) - work consists of modernizing kitchens, widening carports, constructing an addition for dining area, utility room and breakfast nook. Energy work consists of storm windows, heat pumps and heat recovery units. - Work accomplished in previous three years consisted of repairing ceilings, roofs, carports, fences, painting exteriors, and air infiltration reduction totaling $1,070,600. - No work programed for next three years.	2,792
Patrick AFB	
Extend existing underground storm drainage system in Capehart MFH area.	320
Patrick AFB	
Improve 73 Wherry units - work consists of constructing concrete block storage structures with concrete slab floors and builtup roofs in row-type garages with 2, 3 and 4 units per building. - No work accomplished in previous three years. - Work programed for next three years consists of installing gabled roofs, siding, and heat recovery systems totaling $839,500.	224

1 COMPONENT AIR FORCE	FY 19$\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION

VARIOUS AIR FORCE BASES

4 PROJECT TITLE PRIOR YEAR FAMILY HOUSING IMPROVEMENTS	5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
MICHIGAN	
K.I. Sawyer AFB	
Improve 346 Capehart units - work consists of upgrading bathrooms, insulating water lines, installing dishwashers, smoke detectors, insulation, upgrading kitchens, interior lighting and electrical systems. - Work accomplished in previous three years consisted of routine maintenance and repair, sealing basement walls, reglazing windows, painting, and repairing roofs totaling $1,381,000. - No work programed for next three years.	683
MISSISSIPPI	
Keesler AFB	
Improve 212 Capehart units - work consists of upgrading kitchens and baths, renovating bedrooms, and modernizing electrical and mechanical systems. - Work accomplished in previous three years consisted of painting interiors, replacing roofs, installing dishwashers and setback thermostats totaling $907,900. - No work programed for next three years.	2,330
NEW MEXICO	
Kirtland AFB	
Improve 110 Appropriated fund units (FY 50) - work consists of upgrading laundry/utility rooms, kitchens and baths, electrical system, and installing dishwashers. (Phase 7 of 12) - Work accomplished in previous three years consisted of repairing roof facias and driveways totaling $440,000. - No work programed for next three years.	1,042

1 COMPONENT AIR FORCE	FY 19$\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE PRIOR YEAR FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
OVERSEAS	
GERMANY	
Bitburg AB	
Improve 120 Foreign Source units - work consists of adding a four-story precast concrete tower addition to provide a second bath and laundry room for three and four-bedroom apartments. (Phase 2 of 3). - Work accomplished in previous three years consisted of repairing windows and renovating interior totaling $236,700. - No work programed for next three years.	2,370
Ramstein AB	
Improve 280 Foreign Source units - work consists of modernizing kitchens and bathrooms, adding a four-story precast concrete tower providing second bath and laundry room. (Phase 5 of 5). - Work accomplished in previous three years consisted of repairing roofs and exterior walls totaling $45,600. - No work programed for next three years.	3,206

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE PRIOR YEAR FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
JAPAN	
Misawa AB	
Improve 208 Commodity Credit family housing units - work consists of modifying party walls to improve acoustical privacy between units; installing canopies over rear landing and staircase; modifying dryer vent system; constructing adequate exterior covered storage area.	1,168
- Work accomplished in previous three years consisted of repairing electrical distribution, bathrooms, kitchens, and hallways, replacing interior wiring, interior doors and windows totaling $5,466,300.	
- Work programed for next three years consists of repairing bathrooms and kitchens totaling $1,200,000.	
Yokota AB	
Improve 95 Foreign Source units - work consists of kitchen and bathroom modernization; constructing exterior storage shed, utility room and half-bath, and insulating exterior walls.	1,173
- Work accomplished in previous three years consisted of replacing siding and exterior painting totaling $882,100.	
- No work programed for next three years.	

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE PRIOR YEAR FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
PHILIPPINES	
Clark AB	
Improve 5 Appropriated fund units - work consists of modernizing kitchen, upgrading living, dining, bedrooms, entrance, interior electrical and plumbing systems, installing central A/C and automatic fire detection system. - Work accomplished in previous three years consisted of landscaping, replacing kitchen cabinets, doors, heaters, repairing roofs, and interior/exterior painting totaling $139,500. - No work programed for next three years.	110
Improve 77 Appropriated fund units - Work consists of interior alterations, adding half bath, storage, third bedroom, central A/C, insulation, upgrading electrical system, and installing automatic fire detection systems. - Work accomplished in previous three years consisted of interior/exterior painting and landscaping totaling $92,000. - No work programed for next three years.	1,643
Improve 24 Appropriated (BF 50) SOQ units - work consists of modernizing baths and kitchens, converting of porch space to storage, and improving living, dining, and bedrooms. Also includes installation of central A/C system with heat recovery feature. - Work accomplished in previous three years consisted of exterior/interior painting, replacing kitchen cabinets, and landscaping totaling $300,000. - No work programed for next three years.	590

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE PRIOR YEAR FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
UNITED KINGDOM	
RAF Feltwell	
Improve 23 Surplus Commodity units	308

- Work consists of modernizing kitchens and baths, replacing heat system, insulating cavity walls and constructing exterior storage sheds.
- No work has been accomplished in previous three years.
- No work programed for next three years.

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

FY 87 POST ACQUISITION IMPROVEMENT PROJECTS

The following new PAIR projects are submitted for authorization and accomplishment with the FY 87 appropriation.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 40,658

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects to improve existing public quarters.	UN	2,872	14,156	40,658

10 DESCRIPTION OF PROPOSED CONSTRUCTION Projects include all work necessary to rehabilitate military family housing by providing the following features: adequate kitchens with modern amenities; modernizing antiquated bathrooms; air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, setback thermostats, solar screens, and more efficient heating and cooling systems. Safety related work includes replacement of defective electrical circuits and heating systems. (Continued on next pages.)

11. REQUIREMENT:

PROJECT: This request is for appropriation of $40.658 million to accomplish improvements and conserve energy in family housing units.

REQUIREMENT: To rehabilitate and improve the livability of older, obsolescent family housing units, and to conserve energy in these older housing units.

CURRENT SITUATION: Units in the Air Force inventory vary in age from 15 to 138 years. The majority were constructed since the late 1940's using various design and construction criteria, with different types of equipment, and at varying costs. As a result, the units vary in size, material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive, energy resources. Insulation, storm windows, etc., not previously cost effective, are now requirecd. The FY 1987 program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operating costs and improving safety aspects.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
ALASKA	
Eielson AFB	
Improve 88 Appropriated units (FY 50-69) - work includes converting 3 bedroom units to 2 bedroom units to comply with space authorization, new garages, renovating kitchen and bathrooms, and utility upgrade. Project includes conjunctive repair work. (Separate DD Form 1391 attached on Page 1184.)	3,586
- Work accomplished in previous three years consisted of installing attic insulation, parking areas and smoke detectors totaling $117,000.	
- No work programed for next three years.	
ARIZONA	
Williams AFB	
Improve 250 Wherry units - work consists of whole house improvement of each MFH unit. (Phase 1 of 2.)	1,875
- Work accomplished in previous three years consisted of replacing windows and trim, repairing roofs, re-stucco and insulate exterior walls, constructing patios and trash enclosures, venting water heaters, removing bath heaters, installing setback thermostats and slab leveling, totaling $4,814,000.	
- No work programed for next three years.	

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
CALIFORNIA	
Edwards AFB	
Improve 65 Wherry and 24 Capehart units - work consists of constructing additions to living area, gabled roofs, added security measures, and reducing air infiltration. Project includes conjunctive repair work. - Work accomplished in previous three years consisted of exterior door replacement and exterior electrical outlet repair totaling $39,000. - No work programed for next three years.	1,205
George AFB	
Improve 120 Appropriated units (FY 50-69) - work consists of modifying kitchen cabinets, adding dishwashers, laundry shelves, shower doors, exterior storage, carports, gas lines/valves for dryers, screen door grilles, roof drip edge, double pane windows, isolating valves water/gas, additional parking, new playground/equipment and fire hydrant. Provide furnace-A/C controls and ceiling insulation. Project includes conjunctive repair work. - Work accomplished in previous three years consists of repairing doors, gas service, and electrical systems totaling $50,000. - Work programed for next three years consists of repairing exterior of units totaling $350,000.	1,656
March AFB	
Improve 101 Appropriated units - work consists of providing air conditioning to units in Green Acres area. - No work accomplished in previous three years. - No work programed for next three years.	438

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
COLORADO	
United States Air Force Academy	
Improve 88 Capehart units - work consists of installing full baths and finishing basements to authorized space and living criteria. Project includes conjunctive repair work. - No work accomplished in previous three years. - No work programed for next three years.	941
Improve 1 Appropriated fund unit (GOQ). This unit was built in 1931 - work includes renewing bathrooms and kitchen, installing insulation, double-glazed windows and storm doors. Project includes conjunctive repair work. (Separate DD Form 1391 attached on page 1185.) - No work accomplished in previous three years. - No work programmed for next three years.	46
Peterson AFB	
Improve 4 Appropriated GOQ's - work consists of constructing additions to authorized space requirements by expanding living and dining areas and adding utilities. Project includes conjunctive repair work. (Separate DD Form 1391 attached on page 1186.) - Work accomplished in previous three years included roof repair and storm window installation totaling $3500. - No work programmed for next three years.	51
Install underground power to MFH - work consists of replacing existing overhead system with a new underground system in MFH areas.	445

1 COMPONENT AIR FORCE	FY 19$\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
DISTRICT OF COLUMBIA	
Bolling AFB	
Install setback thermostats in 300 MFH units (all types) for energy conservation. SIR: 2.4 SPB: 6.3 yrs DPB: 6.0 yrs ECR: 16.5	50
FLORIDA	
MacDill AFB	
Improve 158 Wherry units - work consists of whole house improvements, relocating walls, stairwells, installing insulation, dishwashers, disposals, and high efficiency air conditioning units. Project includes conjunctive repair work. (Phase 4 of 4.) (Separate DD Form 1391 attached on page 1187.) - No work accomplished in previous three years. - No work programed for next three years.	3,107
Improve 7 Appropriated units (GOQ). These units were built between 1941 and 1966 - work consists of additions to 5 undersized units, upgrading electrical systems and additional insulation. Project includes conjunctive repair work. (Separate DD Form 1391 attached on Page 1188.) - Work in previous three years consisted of a new carport (1 unit), kitchen renewal (1 unit), bathroom renewals (3 units) and repairs to sewers, fences and air conditioning. Total cost was $56,500. - No work programed for next three years in these 7 units.	327

☆ U.S. G.P.O. 1977-241-130/1215

1 COMPONENT AIR FORCE	FY 19 $\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
FLORIDA (Cont'd)	
Patrick AFB	
Improve 120 Capehart units - work consists of constructing additions to living area and reducing air infiltration. Project includes conjunctive repair work. (Phase 2 of 5.)	943
- Work accomplished in previous three years consisted of kitchen and bath repair, install dishwashers and replace ductwork and air conditioning units, totaling $1,188,000.	
- No work programed for next three years.	
GEORGIA	
Robins AFB	
Improve the exterior of 210 Capehart units - work consists of constructing outside storage sheds, sidewalks, and installing gutters and downspouts. Project includes conjunctive repair work.	818
- Work accomplished in previous three years consisted of replacement of kitchen cabinets, closet doors, heating and air conditioning systems, and adding patios totaling $1,238,000.	
- No work programed for the next three years.	

U.S. G.P.O. 1977-241-130/1215

1 COMPONENT AIR FORCE	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
ILLINOIS	
Scott AFB	
Improve 112 Wherry units - work consists of constructing range hoods, patios, privacy fences and exterior storage; adding kitchen cabinets, air conditioning, upgrading electrical systems and improving functional livability. Project includes conjunctive repair work. (Phase 4 of 4.) (Separate DD Form 1391 attached on page 1189.) - No work accomplished in previous three years - No work programed for next three years.	2,625
LOUISIANA	
Barksdale AFB	
Improve 114 Wherry units - work consists of constructing additions to achieve authorized square footage and complete functional rearrangement; for improved livability; carports, patios and privacy fences, insulating ceilings, exterior walls and floors. Project includes conjunctive repair work. (Phase 1 of 4.) (Separate DD Form 1391 attached on page 1190.) - Work accomplished in previous three years consisted of exterior painting and roof repair totaling $312,000. - No work programed for next three years.	3,416

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
MAINE	
Bangor ANG	
Improve one Capehart unit - work consists of constructing additions to living areas to improve the recently designated Commanders quarters. A fourth bedroom and master bath will be added, the living room expanded and the kitchen redesigned to complete a whole house improvement. (Separate DD Form 1391 attached on page 1191.) - Work accomplished in previous three years included repair and renovation after the unit was returned to Air Force control from the Bangor Housing Authority, who had used it for low income housing. Work included refinishing kitchen and bath cabinets and countertops, fixture replacement, roof and heating system repair, replace windows, siding and floor tiles, insulate, repaint, and landscape, totaling $22,500. The FY 87 PAIP was not anticipated at the time of this repair work. - No work programed for next three years.	30
MARYLAND	
Andrews AFB	
Improve 7 Appropriated fund units (GOQ units). These units were built in several phases between 1911 and 1948. Work includes altering laundry rooms, constructing 5 carports, insulating exterior walls and installing a central air/heating system in one unit. Project includes conjunctive repair work. (Separate DD Form 1391 on page 1192.) - Work accomplished in previous three years included improving bathrooms and kitchens, repairing heating system (one unit) and roofs totaling $185,100. - No work programed for next three years.	148

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
NEVADA	
Nellis AFB	
Improve 70 Capehart units - work consists of adding dishwashers, kitchen cabinets, vanities, patio privacy fence, street lights, landscaping, sprinkler system, safety fence around borrow pits and between housing area and desert. Add attic vents. Project includes conjunctive repair work.	655
- Work accomplished in previous three years consisted of repairing air conditioning, fencing, and painting totaling $1,055,500.	
- No work programed for next three years.	
NEW YORK	
Plattsburgh AFB	
Improve 29 Appropriated units. Built in several phases between 1838 and 1939, these units have been nominated to the National Register of Historic Places.	273
- work includes upgrading bathrooms and electrical systems, paving driveways, insulating walls and ceilings. Project includes conjunctive repair work. (Separate DD Form 1391 attached on page 1193.)	
- Work accomplished in previous three years consisted of repairing bathrooms, replacing windows and boilers, exterior painting, and cleaning brick and stone. Total cost was $1,415,000.	
- No work programed for next three years.	

1. COMPONENT AIR FORCE	FY 19$\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
SOUTH CAROLINA	
Shaw AFB AFB	
Improve 125 Appropriated units (FY 70A) - work consists of renvoation of kitchen and dining room, enlarging exterior entries, extending roof lines, and installing siding and storm doors. (Phase 1 of 2.) (Separate DD Form 1391 attached on page 1194.) - Work accomplished in previous three years included floor repair, electric distribution correction, and driveway repair totaling $323,000. - No work programed for next three years.	1,405
TENNESSEE	
Arnold AFS	
Improve 28 Appropriated units (FY 50-69) - work consists of constructing additions for baths, patios and family rooms for ten units, and installing new patio canopies at all units. Project includes conjunctive repair work. - Work accomplished in previous three years consisted of roof insulation, install whole house fans, replace trash enclosures and fencing, replace hot water heaters and install set-back thermostats totaling $94,000. - No work programed for next three years.	183

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION
VARIOUS AIR FORCE BASES

4 PROJECT TITLE
FAMILY HOUSING IMPROVEMENTS

5 PROJECT NUMBER
N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
TEXAS	
Carswell AFB	
Upgrade 203 Wherry housing units - work consists of adding air conditioning, constructing carports, exterior storage, and additions to living areas; replacing HVAC, roof, doors and windows, installing wall and attic insulation, reducing air infiltration, and functionally improving unit layout. Project includes conjunctive repair work and was previously authorized in FY 84. (Separate DD Form 1391 attached of page 1195.) - Work accomplished in previous three years consisted of utility energy conservation, interior and exterior painting, roof repair, and new street lighting totaling $1,732,000. - No work programed for next three years.	4,885
Kelly AFB	
Improve 90 Wherry units at Billy Mitchell Village - work consists of functional improvement of interior by relocating walls, upgrading kitchen electrical systems and light fixtures, adding insulation, and providing private outdoor areas. Project includes conjunctive repair work. - No work accomplished in previous three years. - No work programed for next three years.	1,266

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
TEXAS (Cont'd)	
Randolph AFB	
Improve 5 Appropriated fund units (GOQ). Built in 1933, these units have a distinctive (Mission) architectual style - work consists of adding patio covers, extending patios, building carports and bulk storage, improving air conditioning and plumbing systems. Project includes conjunctive repair work. (Separate DD Form 1391 on Page 1196.) - Work accomplished in previous three years consisted of repairing windows, air conditioning, roofs, patio covers, doors, plumbing, flooring, building a carport and exterior painting. Total cost was $83,400. -No work programed for next three years.	201
UTAH	
Hill AFB	
Improve 2 Appropriated units (Duplex) - work consists of a complete functional rearrangement of interior walls. Project includes conjunctive repair work. - No work accomplished in previous three years. - No work programed for next three years.	30

1. COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
VIRGINIA	
Langley AFB	
Improve 105 Appropriated units (PFY 50) - work consists of whole house upgrade improving kitchens and baths, adding half-baths, attic fans, patios, privacy fences and insulation. Project includes conjunctive repair work. - No work accomplished the previous three years. - No work programed for the next three years.	738
Langley AFB	
Upgrade 5 Appropriated units (GOQ) - work includes air conditioning installation, upgrade electrical and lighting systems, and kitchen and bath upgrade. Project includes conjunctive repair work. (Separate DD Form 1391 attached on Page 1197.) - Work accomplished in previous three years consisted of repairs to floors, gutters, windows, air conditioning, and a boiler. Total cost was $35,500. - No work programed for next three years.	24
WASHINGTON	
McChord AFB	
Improve 110 Appropriated units (FY 50-69) - work includes constructing additions for 3/4 bath, relocating washer/dryer, installing new thermopane windows and functional whole house improvements. Project includes conjunctive repair work. - Work accomplished in previous three years consisted of kitchen repair of 24 units for $8,300. - No work programed for next three years.	1,870

DD FORM 1 DEC 76 1391c PREVIOUS EDITION IS OBSOLETE IN THE USAF.

☆U.S. G.P.O. 1977-241-130/1215

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
OVERSEAS	
AUSTRALIA	
Woomera AS	
Improve 66 Appropriated units (FY 70 - Sigal relocatable units) - work consists of constructing an addition for master bath off the master bedroom in 3 and 4 bedroom units. - No work accomplished in previous three years. - No work programed for next three years.	434
Improve 14 Appropriated units (FY50-69 - NASA relocatable units) - work consists of constructing an addition for master bath off the master bedroom in 3 bedroom units. - No work accomplished in previous three years. - No work programed for next three years.	92
GERMANY	
Sembach AB	
Improve 24 Foreign Source units - work consists of constructing a three-story precast concrete tower addition to provide a second bath and laundry room for 4 bedroom apartments. (Phase 5 of 5.) - Work accomplished in previous three years consisted of interior renovations, repairing kitchens and baths, replacing windows, electrical wiring and tile, and repainting totaling $542,000. - No work programed for next three years.	458

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION

VARIOUS AIR FORCE BASES

4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS	5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
GREECE	
Iraklion AS	
Improve 22 Foreign Source units - work consists of adding a fourth bedroom to these relocatable units. Base has 180 three bedroom units and very few large homes available on the economy. - No work accomplished in previous three years. - No work programed for next three years.	270
GUAM	
Andersen AB	
Improve 200 Capehart units - work consists of upgrading bedrooms, adding full baths in 4 bedroom units, converting 3 bedroom to 2 bedrooms in 76 units, installing dishwashers, upgrading electrical systems, constructing outside storage and carports. Project includes conjunctive repair work. (Phase 2 of 6.) (Separate DD Form 1391 attached on Page 1198.) - Work accomplished in previous three years consisted of roof repair, painting exterior, and water heater insulating for $5,766,000. - No work programed for next three years.	5,976

☆ U.S. G.P.O. 19[illegible]-241-130/12[illegible]

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
JAPAN	
Kadena AB	
Improve 3 Appropriated fund units (GOQ). These units are at different locations and were built between 1950 and 1964 - work consists of an addition to one unit and upgrading air handling systems. Project includes conjunctive repair work. (Separate DD Form 1391 attached on Page 1199.) - Work accomplished in previous three years consisted of replacing some kitchen cabinets and bathroom fixtures and repairing some roofs and doors. Total cost was $25,000. - No work programed for next three years.	200
UNITED KINGDOM	
RAF Kemble	
Improve one Surplus Commodity unit - work consists of constructing front and rear porches, and a family room addition. Project includes conjunctive repair work. - Work accomplished in the previous three years consisted of repairing kitchen and baths, replacing floors, walls, electrical systems and plumbing, totaling $15,000. - No work programed for next three years.	18

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

IMPROVEMENT PROJECTS (over $30,000 per unit)

A separate DD Form 1391 follows for each new PAIP project which is over $30,000 per unit (multiplied by the Area Cost Factor):

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-142	7 PROJECT NUMBER FTQW850033B	8 PROJECT COST ($000) 6,186

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	88	70,227	6,186
ALTERATIONS/IMPROVEMENTS	UN	88	40,682	3,586
CONCURRENT REPAIRS (O&M)	UN	88	29,545	2,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 88 Appropriated units (FY 50-69) - work consists of whole house renovation reconfiguring and constructing new interior layouts including conversion from 3 bedrooms to 2 bedrooms, changes to main level living, dining, kitchen and bathroom areas and new exterior storage and garages. Repair work includes removing asbestos insulation, replacing electrical, plumbing and heating systems, tile and vinyl floors, interior doors and trim, painting and repairing interior walls and ceilings and exterior landscaping. Project includes all work necessary to functionally improve the units to current standards of livability.

11. REQUIREMENT: These units are in need of general upgrade and improvement to meet current standards. The units were constructed in the early 1950's and have received no major interior renovations. Bedrooms and dining rooms are too small and there is no bathroom located on the first floor of these two-story units. Bath vanities, lights, and fixtures are original and need replacement due to deteriorated conditions. Piecemeal repairs have been made to the electrical and heating systems over the years, but a modern and safe utility system is required to insure occupant safety and comfort to include asbestos insulation removal from heating system piping. Garages and exterior storage are required to protect vehicles and personal belongings from the elements due to the winter design temperature of -52°F. The above costs represent a project average Area Cost Factor equal to 2.13. The estimated cost for improvement of all the units is $70,290 each.

U.S. G.P.O. 1984-420-979/13679

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		FEB 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
UNITED STATES AIR FORCE ACADEMY, COLORADO	IMPROVE FAMILY HOUSING (PHASE I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88742	711-143	XQPZ860042B	120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	1	120,000	120
ALTERATIONS/IMPROVEMENTS	UN	1	21,000	21
ENERGY CONSERVATION	UN	1	25,000	25
CONCURRENT REPAIRS (O&M FUNDS)	UN	1	74,000	74

10. DESCRIPTION OF PROPOSED CONSTRUCTION Improve and repair one unit of Appropriated fund family housing (General Officer Quarters). Work includes renewing bathrooms and kitchen; repairing windows, doors, roofs, exterior walls; insulating attic and crawl space, installing double-glazed windows, storm doors and flue covers; replacing heating, plumbing and electrical systems.

11. REQUIREMENT: This unit was built about 1920 and was acquired when the Air Force Academy was established. Little major work has been accomplished and annual operation and maintenance (O&M) costs are very high. Kitchen and bathrooms are inefficient, outdated, and lack modern features. Many of the exterior building elements are deteriorated and repairs are required for windows, doors, the roof and walls. Additional insulation, storm doors and flue covers will improve energy efficiency. Replacing major elements of the heating system will further reduce utility costs. The plumbing system will be greatly improved through selective replacement and the deteriorated, overloaded electrical system requires prompt replacement. This is the first of two phases; one more unit will be done in the next phase.

This project was subjected to an architect-engineer analysis to determine the requirements and a cost-benefit analysis to identify the most economical alternative for meeting the requirements and providing suitable housing. The results indicate that the improvements for both phases will not only extend their life another 25 years, but will also reduce total costs over 25 years by $60,000 in current dollars, including the cost of the project. After the project year, annual O&M costs should be reduced by $9,500 (current year dollars). Area Cost Factor is .94.

U.S. G.P.O. 1984-420-979/13478

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
88742	711-143	TDKA850078A	149

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	4	37,250	149
ALTERATIONS/IMPROVEMENTS	UN	4	12,750	51
CONCURRENT REPAIRS (O&M FUNDS)	UN	4	24,500	98

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 4 Appropriated GOQ units (FY 70) - work consists of expanding the existing units to authorized space using construction materials that match the existing structure. Expand kitchen, living, family and dining areas. Additional utility installation is required to accommodate the improvements. Project includes all work necessary to functionally improve the units to current standards of livability.

11. REQUIREMENT: Project is required to provide adequate quarters for General Officers. These units were previously designated as senior officers quarters but have been converted to GOQ's. Project expands kitchen, dining, and family/living areas providing more functional arrangements and quality of life enhancements. The increased living areas will provide adequate and functional space for family use as well as official entertainment responsibilities. The above costs represent a project average Area Cost Factor of .94. The project averages $35,500 per unit.

U.S. G.P.O. 1984-420-979/136

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION MACDILL AIR BASE, FLORIDA	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-121	7 PROJECT NUMBER NVZR850302	8 PROJECT COST ($000) 4,430

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	158	28,038	4,430
ALTERATIONS/IMPROVEMENTS	UN	158	18,044	2,851
ENERGY CONSERVATION	UN	158	1,620	256
CONCURRENT REPAIRS (O&M FUNDS)	UN	158	8,374	1,323

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 158 Wherry units - work consists of whole house renovation including demolishing interior entrance stairwells for construction of utility rooms. Replace kitchen and bath fixtures and cabinets, replace floor tile throughout units, repair roofs, facia and soffits, patch and paint interior walls and ceilings, replace electrical systems and receptacles, and install new high efficiency heating ventilation and air conditioning units. Project includes all work necessary to bring units up to current standards of livability

11. REQUIREMENT: Project is required to provide adequate quarters for military members and their families assigned to MacDill AFB. These Wherry units were constructed in 1951 and have been declared substandard for 15 years. Kitchens are poorly arranged and fixtures, cabinets, and countertops date back to original construction. Normal conveniences such as range hoods, dishwashers and garbage disposals are not available. Cement asbestos shingles are past useful life allowing sheathing, rafters, and soffits to be subject to water damage. Interior wall finishes, and electrical systems are old and need replacement. Insulation and new HVAC systems are needed to conserve energy. This project is the last phase of a four phase program to upgrade and modernize all Wherry Military Family Housing units at MacDill AFB. The above cost represents a project average Area Cost Factor equal to .77. The average unit cost is $28,038.

☆U.S. G.P.O. 1984-420-979/13474

1 COMPONENT AIR FORCE	FY 19~~8~~7 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA	4 PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE I)

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-143	7 PROJECT NUMBER NVRZ870096	8 PROJECT COST ($000) 553

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	7	79,000	553
ALTERATIONS/IMPROVEMENTS	UN	7	46,714	327
CONCURRENT REPAIRS (O&M FUNDS)	UN	7	32,286	226

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve and repair 7 units of family housing (General Officer Quarters). Work includes additions to all units, renewing kitchens and bathrooms, replacing windows, doors, heat pumps and electrical systems where necessary.

11. REQUIREMENT: These units were constructed between 1941 and 1966. With the recent growth in HQ Central Command at MacDill AFB, the assignment of additional General Officers has exhausted the supply of suitable quarters and forced assignment into 6 units less than 1700 SF (net) in size, where the authorized is 2100 SF (net). There have been few projects to upgrade the units and annual operation and maintenance (O&M) costs are increasing. Kitchens and bathrooms are generally inefficient, outdated and lack modern fixtures. Plumbing, heating, air conditioning and electrical systems are in various states of deterioration and require selective repair and replacement. Windows and doors in the oldest units are beyond further repair and need replacement. The addition of 540 SF to one unit will enlarge the dining and kitchen areas to enable the occupant to fulfill official representational responsibilities; total net area will be 2984 SF. Improvements and repairs will increase the livability and preserve the maintainability of all the units. The Area Cost Factor is 0.77. The estimated cost of the most expensive unit is $110,000. This is Phase 1 of 3 phases; 11 units remain after this phase.

U.S. G.P.O. 1984-420-979/13678

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-121	7 PROJECT NUMBER VDYD870507	8 PROJECT COST ($000) 4,690

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	112	41,875	4,690
ALTERATIONS/IMPROVEMENTS	UN	112	19,723	2,209
ENERGY CONSERVATION	UN	112	3,714	416
CONCURRENT REPAIRS (O&M FUNDS)	UN	112	18,438	2,065

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 112 Wherry housing units - work consists of whole house renovation including kitchen and bath modernization, installation of central air conditioning, construction of patios, privacy screens and exterior storage. Project will also expand living rooms in two bedroom units and relocate walls in three bedroom units. Energy work consists of installing storm doors, attic insulation and window replacement. Electrical systems will be upgraded by installing new transformers, feeders, distribution lines and service lines. Kitchen and bathroom fixtures and cabinets will be replaced along with deteriorated flooring and coverings. Project includes all work necessary to functionally improve the units to current standards of livability. (Phase 4 of 4)

11. REQUIREMENT: Project is required to provide adequate quarters for AF enlisted members and their families. Improvement will prolong the useful life of these older, less modern units by enhancing livability, reducing operating costs and improving safety. The units are 34 years old and lack the amenities and conveniences normally found in newer military family housing and in local community housing. Appliances, fixtures and cabinets are outdated and deteriorating and electrical distribution systems do not have the capacity to support power requirements. The project completes the Wherry improvement program of 1,000 units. The above costs represent a project average Area Cost Factor of 1.03. The most expensive unit cost is $45,500 and the project averages $41,875 per unit.

U.S. G.P.O. 1984-[illegible]

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-144	7 PROJECT NUMBER AWUB870010P1	8 PROJECT COST ($000) 5,342

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	114	46,860	5,342
ALTERATIONS/IMPROVEMENTS	UN	114	24,079	2,745
ENERGY CONSERVATION	UN	114	5,886	671
CONCURRENT REPAIRS (O&M FUNDS)	UN	114	16,895	1,926

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 114 Wherry housing units - work consists of whole house renovation to functionally upgrade units by building additions to authorized space, renovate baths and kitchens to include replacement of fixtures, cabinets, countertops and floors, install dishwashers, disposals, and exhaust systems, and replace refrigerators and stoves. Repair termite damage to subfloors and walls, paint interiors, replace doors, heating and air conditioning systems, insulate exterior walls, ceilings and floors. Construct carports, patios and privacy fences. Project includes all work necessary to functionally improve the units to current standards of livability and maintainability.

11. REQUIREMENT: Project is required to provide adequate quarters for enlisted military members and their families. The existing homes are 33 years old and have received only required maintenance and repair to keep them in operation. Most of the units have sagging floors, weakened floor joists from termite damage, deteriorated insulation, non-grounded electrical circuits with no ground fault system or main disconnect switches, heating and air conditioning systems that are in need of replacement; kitchen areas that are too small and have no range hoods; and fixtures, cabinets, and appliances that need replacement. Bathrooms have no vanities and poor lighting. A shortage of off-street parking requires parallel parking on the narrow streets resulting in insufficient width for safe response of fire protection vehicles. The project allows for the demolition of deteriorated substandard units to provide space for carports. The above costs represent a project average Area Cost Factor equal to .94. The most expensive unit costs is $49,000 and the project averages $46,860 per unit.

U.S. G.P.O. 1984-[illegible]-979/13679

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION BANGOR AIR NATIONAL GUARD BASE, MAINE	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
88742	711-111	FKNN855001	30

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	1	30,000	30
ALTERATIONS/IMPROVEMENTS	UN	1	30,000	30

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve one Capehart unit - work consists of whole house renovation of the recently designated Commander's quarters for this base. Construction will include two additions to the unit totaling 536 net square feet. Additions will be made to the living/dining room areas and by adding a fourth bedroom (master) and bath. The kitchen will be relocated with associated wall reconfiguration and relocation of utility supply and waste lines. Project includes all work necessary to functionally improve the unit to current standards of livability.

11. REQUIREMENT: Project is required to provide adequate quarters for the installation commander. The improvement will provide the authorized living area. Due to the base's recent new mission designation as support location for the East Coast Over-the-Horizon Backscatter Radar System, the mission establishes an 06 level Squadron Commander position compared to an 03 position previously. Since 06 quarters do not exist, it is necessary to enlarge the most appropriate housing unit available. The existing unit was constructed in 1962 and due to its location and floor plan is considered the most cost-effective unit to upgrade, but is deficient of authorized space. Whole house repair has been accomplished in this unit in 1983 before this recent redesignation. The unit lacks adequate space for the kitchen, dining, family/living areas and a fourth bedroom. Functional arrangement of existing walls will be accomplished for the most optimum floor plan in relation to the added space. The above cost represents a project average Area Cost Factor of .85. The unit cost is $30,000.

U.S. G.P.O. [illegible]

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND	4 PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE I)

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER AJXF880059	8 PROJECT COST ($000) 518

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	7	74,000	518
ALTERATIONS/IMPROVEMENTS	UN	7	14,000	98
ENERGY CONSERVATION	UN	7	7,143	50
CONCURRENT REPAIRS (O&M FUNDS)	UN	7	52,857	370

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve and repair 7 units of family housing (General Officer Quarters). Work includes altering laundry rooms, constructing 5 carports, replacing electrical and mechanical systems, repairing exterior brickwork, patios and flooring, insulating the exterior walls and installing a central air/heating system in one unit.

11. REQUIREMENT: These units were constructed in several phases from 1911 to 1948. Various upgrade projects have only improved kitchens and bathrooms in a few of the units. The laundry rooms are poorly arranged and there is covered parking for only two units. Electrical and mechanical systems have deteriorated, interior finishes are in poor condition, masonry needs to be repointed, basement walls sealed and some flooring requires repair. Improvements and repairs will increase and preserve the livability and maintainability of all the units. The estimated cost of the most expensive unit is $103,900. This is Phase 1 of 2 phases; 10 units remain after this phase.

This project was thoroughly studied to identify all the requirements and the range of available alternatives. A rigorous cost-benefit analysis identified the most economical alternative for satisfying the requirements. The results indicate that these improvements will not only extend the life of the units an additional 25 years, but are also the best alternative to reduce the life-cycle operation and maintenance costs. The analysis showed this project will save about $1,000 per year (in current dollars) over the continued maintenance option, the next cheapest alterative. Over 25 years, both phases of the project will save more than $34,000 per year over new construction.

U.S. G.P.O. [illegible]

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION PLATTSBURGH AIR FORCE BASE NEW YORK	4 PROJECT TITLE IMPROVE FAMILY HOUSING PHASE (I)

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-144	7 PROJECT NUMBER THWA880027	8 PROJECT COST ($000) 2,272

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	29	78,345	2,272
ALTERATIONS/IMPROVEMENTS	UN	29	2,621	76
ENERGY CONSERVATION	UN	29	6,793	197
CONCURRENT REPAIRS (O&M FUNDS)	UN	29	68,931	1,999

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve and repair 29 units of Appropriated family housing. Work includes renewing the bathrooms and electrical systems, paving driveways, insulating walls and ceilings, repaining walls, floors, ceilings and porches, renewing kitchens, and converting two buildings to fewer units with more bedrooms.

11. REQUIREMENT: These units were constructed in several phases between 1838 and 1939 and 32 of the total of 58 units have been nominated to the National Register of Historic Places. None of the units have had major upgrade work. The austere bathrooms lack modern fixtures and materials; the two-wire ungrounded electrical systems have deteriorated and are inadequate. Parking areas and driveways are gravel; walls and ceilings are underinsulated and are cracked and crumbling; floors are warped and sagging; porches have deteriorated; most kitchens are outdated and poorly organized. Two six-unit buildings will be converted to four-unit buildings to raise the area to that authorized. There will be a net loss of 4 MFH units and an increase of 4 four-bedroom units. Improvements and repairs will increase and preserve the livability and maintainability of all the units. The costs reflect an Area Cost Factor of 1.15. The estimated cost of the most expensive unit is $85,200. This is Phase 1 of 2 phases; 29 units remain after this phase.

This project was subject to extensive architect-engineer and cost-benefit analyses to determine the requirements and most economical alternative. The results indicate these improvements will extend the life another 25 years and are the best alternative to reduce life-cycle operation and maintenance costs. The study showed this project will save nearly $4 million in operation and maintenance costs over current procedures when both phases are completed.

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION SHAW AIR FORCE BASE SOUTH CAROLINA	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-142	7 PROJECT NUMBER VKAG890001	8 PROJECT COST ($000) 4,385

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	125	35,080	4,385
ALTERATIONS/IMPROVEMENTS	UN	125	11,240	1,405
CONCURRENT REPAIRS (O&M FUNDS)	UN	125	23,840	2,980

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 125 Appropriated units. (FY70) - work consists of whole house renovation including installation of an extended roof line over front entrances, new siding, new storm doors and windows, kitchen and bath fixture and cabinet repalcement and modernization, replacement of air conditioning (AC) units, pads and refigerant tubing and support lines, repair roofs, replace interior doors and trim, floor tile, baseboard, appliances, and light fixtures. Reinsulate attics, walls, and water pipes, and repaint interior and exterior trim. Project includes all work necessary to functionally improve the units to current standards of livability.

11. REQUIREMENT: Project is required to provide adequate quarters for active duty military personnel assigned to Shaw AFB. The units were built approximately 13 years ago with inferior materials and of poor quality and craftsmanship. Exterior doors, siding and windows are directly exposed to the elements with very little roof overhang, allowing rapid deterioration. Units do not have storm or screen doors to permit ambient air circulation causing excessive energy use. Existing windows are single glazed, light-duty windows, also deteriorating from weather exposure. The present AC system is undersized resulting in inefficient energy use. Support utilities to the AC are exhibiting extreme corrosion due to below grade installation. Existing bathtubs are unsupported fiberglass with a constant leak and water damage problem. Cabinets, countertops, and light fixtures are of poor quality requiring replacemnt due to high maintenance. The advanced deterioration of these units will continue to cause increases in maintenance costs. The above costs represent a project average Area Cost Factor of .82. The estimated cost for improvement to all the units is $35,080 each.

U.S. G.P.O. 1984-420-979/13679

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION CARSWELL AIR BASE, TEXAS	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-121	7 PROJECT NUMBER DDPF850044	8 PROJECT COST ($000) 7,478

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	203	36,837	7,478
ALTERATIONS/IMPROVEMENTS	UN	203	20,148	4,090
ENERGY CONSERVATION	UN	203	3,915	795
CONCURRENT REPAIRS (O&M FUNDS)	UN	203	12,774	2,593

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 203 Wherry housing units - work consists of whole house renovation including new heating, ventilation, and air conditioning units, ductwork, water heaters, and plumbing fixtures. Replace water piping, all gypsum board, the roof structure, windows, and doors. Construct carports and outside storage, and increase square footage to meet current authorization. Provide for landscaping and seeding. Energy conservation work includes reflective insulating board, increased attic insulation, storm windows and air infiltration reduction. Project includes the demolition of 88 substandard units to reduce overcrowding. Project accomplishes all work necessary to functionally improve the units to current standards of livability.

11. REQUIREMENT: Project is required to provide adequate quarters for junior enlisted military members and their families assigned to Carswell AFB. Demolition will reduce cluttered and overcrowded living conditions and provide space for carport and storage. The units were constructed in the early 1950's and have received no major renovation work since construction. The bathrooms and kitchens require replacement of all original fixtures, many units have severe roof leaks. Units to be demolished have severe foundation problems; HVAC systems are inefficient with only minor energy conservation measures, inadequate off-street parking causes severe congestion on the streets, and space must be redesigned to accommodate whole house functional improvemt. The above costs represent a project Area Cost Factor equal to .93. The most expensive unit cost is $45,478 and the project averages $36,837 per unit.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION RANDOLPH AIR FORCE BASE, TEXAS	4 PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE I)

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-144	7 PROJECT NUMBER TYMX870212	8 PROJECT COST ($000) 402

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	5	80,400	402
ALTERATIONS/IMPROVEMENTS	UN	5	40,200	201
CONCURRENT REPAIRS (O&M FUNDS)	UN	5	40,200	201

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve and repair 5 units of Appropriated fund family housing (General Officer Quarters). Work includes renewing kitchens and bathrooms, adding patio covers and patios, building carports and bulk storage, improving central air conditioning, electrical and plumbing systems, replacing windows, doors, and gutters.

11. REQUIREMENT: These units were built in 1933 in a distinctive (Mission) architectural style and are eligible for nomination to the National Register of Historic Places. There have been few upgrade projects and the units incur high annual operation and maintenance (O&M) costs. Kitchens and bathrooms are inefficient and badly dated, lacking modern fixtures. The small, uncovered patios are unsuitable for family and entertaining uses. The mechanical (air conditioning and plumbing) systems have deteriorated and require replacement; the electrical systems have deteriorated and are dangerously overloaded. Windows, exterior doors and gutters are also deteriorated beyond economic repair and require replacement. Improvements and repairs will increase the livability and preserve the maintainability of all the units. The costs reflect an Area Cost Factor of .86. The estimated cost of the most expensive unit is $82,000. This is Phase 1 of 2 phases; 5 units remain after this phase. An architect-engineer analysis was accomplished to determine the requirements and a cost-benefit analysis accomplished to identify the most economical alternative for meeting the requirements. The results indicate that these improvements will not only extend the life of the units another 25 years, but when both phases are complete, total costs over 25 years will be reduced by $1,195,000 in current dollars, including the cost of the project. After the project year, annual O&M costs should be reduced by $85,700 or $8,570 per unit (current dollars) for all phases.

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4 PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE I)

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-144	7 PROJECT NUMBER MUHJ877700	8 PROJECT COST ($000) 441

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	5	88,200	441
ALTERATIONS/IMPROVEMENTS	UN	5	4,800	24
CONCURRENT REPAIRS (O&M FUNDS)	UN	5	83,400	417

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve and repair 5 units of family housing (General Officer Quarters). Work includes altering and renewing kitchens, renewing bathrooms, repairing roofs, electrical and plumbing systems, repairing flooring, insulating, and waterproofing basement areas.

11. REQUIREMENT: These units were built in 1934 and are eligible for nomination to the National Register of Historic Places. There have been few upgrade projects and the units incur high annual operations and maintenance costs. Kitchens are small, inefficient and outdated; bathrooms are similarly outdated and require renewal. The mechanical systems (air conditioning, heating and plumbing) have deteriorated and require repair and replacement to improve their efficiency; electrical systems have also deteriorated and are dangerously overloaded. Roofs have been leaking, floors are badly worn, insulation should be raised to current standards, and the below ground mechanical rooms need to be waterproofed. Improvements and repairs will increase the livability and improve the maintainability of all the units. The estimated cost of the most expensive unit is $117,000. This is phase 1 of 2 phases; there are 7 units remaining after this phase.

U.S. G.P.O. 1984-420-[illegible]

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM	4 PROJECT TITLE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-111	7 PROJECT NUMBER AJJY869200P2	8 PROJECT COST ($000) 14,517

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	200	72,585	14,517
ALTERATIONS/IMPROVEMENTS	UN	200	22,195	4,439
ENERGY CONSERVATION	UN	200	7,685	1,537
CONCURRENT REPAIRS (O&M FUNDS)	UN	200	42,705	8,541

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 200 Capehart units - work consists of whole house renovation including enlarging the master bedroom and adding baths, repairing plumbing in existing baths, installing dishwashers, constructing outside storage sheds and carports, insulating ceilings, installing heat pumps, repairing electrical systems, baths, kitchens, typhoon shutters, exterior doors and repainting interiors. Project includes all work necessary to functionally improve the units to current standards of livability. (Phase 2 of 6.)

11. REQUIREMENT: Project is required to provide adequate quarters for military members and their families assigned to Andersen AFB. These housing units lack most of the amenities normally offered in military family housing. Original appliances, fixtures and finishes have outlived their useful life. General structures are old and deteriorated due to Guam's harsh tropical environment. Closets, floor tiles and baths are in dilapidated condition. Electrical service is undersized for modern needs. Units lack sufficient bathrooms for the number of bedrooms. No outside storage or carports are provided. The present condition of this housing causes unsatisfactory living conditions and contributes to low morale. Required maintenance and repair cannot be totally accomplished without major improvement. The above costs represent a project average Area Cost Factor equal to 1.94. The most expensive unit cost is $80,252 and the project averages $72,585 per unit.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION KADENA AIR BASE, OKINAWA, JAPAN	4 PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE I)

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-143	7 PROJECT NUMBER	8 PROJECT COST ($000) 240

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	3	80,000	240
ALTERATIONS/IMPROVEMENTS	UN	3	66,667	200
CONCURRENT REPAIRS (O&M FUNDS)	UN	3	13,333	40

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve and repair 3 units of family housing (General Officer Quarters). Work includes a 163 SF addition to one unit; installing insulation and suspended ceilings; replacing windows, doors, wiring, cabinets, bathroom fixtures; repairing roof trusses on one unit; repairing/replacing air handling systems.

11. REQUIREMENT: These units were constructed between 1950 and 1965 at four different locations. Kitchens cabinets are rotted and termite infested; steel windows and doors are corroded, difficult to use, and leak; lighting fixtures are corroded and wiring is dangerously brittle. Air handling systems are aged, undersized, and have been supplemented by less efficient window air conditioners. Many of the interiors are inefficiently arranged and can be greatly improved when old electrical and mechanical systems are replaced. Many exterior walls and some roofs require weatherproofing; one roof structure has severe termite damage and the trusses require extensive repair. The improvements and repairs will increase and preserve the livability and maintainability of all the units. The estimated cost of the most expensive unit is $82,800. This is Phase 1 of 2 phases; 4 units remain after this phase.

This project was thoroughly studied to identify all the requirements and the range of available alternatives. A rigorous cost-benefit analysis identified the most economical alternative for satisfying the requirements. The results of the analyses indicate the improvements and repairs will extend the useful life of the units an additional 25 years, reduce total costs, and (after the initial project year) reduce annual operations and maintenance costs for all 7 units in both phases by nearly $34,000 per year or about $4,800 per unit per year over 25 years (in current year dollars).

U.S. G.P.O. 1984-420-979/13674

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

ALTERNATIVE FY 87 POST ACQUISITION IMPROVEMENT PROJECTS

The following new PAIP projects are submitted for authorization to provide alternative projects to those submitted for authorization and appropriation.

February 1986

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4 PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 29,322

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects to improve existing public quarters.	UN	2,653	11,052	29,322

10 DESCRIPTION OF PROPOSED CONSTRUCTION Projects include all work necessary to rehabilitate military family housing by providing the following features: adequate kitchens with modern amenities; modernizing antiquated bathrooms; air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, setback thermostats, solar screens, and more efficient heating and cooling systems. Safety related work includes replacement of defective electrical circuits and heating systems. (Continued on next pages.)

11. REQUIREMENT:

PROJECT: This request is for appropriation of $29.322 million to accomplish improvements and conserve energy in family housing units.

REQUIREMENT: To rehabilitate and improve the livability of older, obsolescent family housing units, and to conserve energy in these older housing units.

CURRENT SITUATION: Units in the Air Force inventory vary in age from 15 to 138 years. The majority were constructed since the late 1940's using various design and construction criteria, with different types of equipment, and at varying costs. As a result, the units vary in size, material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive, energy resources. Insulation, storm windows, etc., not previously cost effective, are now required. The FY 1987 program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operating costs and improving safety aspects.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA FEB 86	2 DATE
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
ALASKA	
Elmendorf AFB	
Improve 12 Douglas units (FY 50-69) - work consists of whole house improvements reconfiguring 3 bedrooms to 2 bedrooms, constructing an addition to the living room and adding new garages, general upgrade, landscaping and outdoor play areas. Project includes conjunctive repair work. (Separate DD Form 1391 attached on page 1211.) - Work accomplished in previous three years consisted of modernizing kitchens for $214,000. - No work programed for next three years.	498
COLORADO	
United States Air Force Academy	
Improve 44 Appropriated units (FY 50-69) - work consists of covering patios, remodeling interiors and modernizing kitchens and baths. Project includes conjunctive repair work. - Work accomplished in previous three years consisted of kitchen and bath modernization in 23 units totalling $229,000. These 23 units will not be included in the kitchen and bath work in this project. - No work programed for next three years.	890
Peterson AFB	
Improve storm drainage system - work consists of extending the MFH drainage to correct excessive ponding on streets and landscaped areas.	70

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
FLORIDA	
MacDill AFB	
Improve 71 Wherry units - work consists of whole house improvements, relocating walls, stairwells, installing insulation, dishwashers, disposals, and high efficiency air conditioning units. Project includes conjunctive repair work. (Phase 4 of 4.) (Separate DD Form 1301 attached on page 1212.) - No work accomplished in previous three years. - No work programed for next three years.	1,406
MARYLAND	
Andrews AFB	
Improve 150 Appropriated units (FY 70) - work consists of extending kitchen countertops, installing dishwashers, disposals, new vanities and sinks, additional insulation and storm doors, and constructing outside storage and privacy fences. Project includes conjunctive repair work. - Work accomplished in previous three years consisted of roof repair, exterior painting and installation of gutters and downspouts totaling $346,000. - No work programed for next three years	1,420
MASSACHUSETTS	
Hanscom AFB	
Improve 66 Capehart units - work consists of constructing carports, exterior storage, family room additions; installing insulation and new siding. Project includes conjunctive repair work. - Work accomplished in previous three years consisted of electrical panel replacement and dishwasher installation totaling $60,000. - No work programed for next three years.	1,651

1 COMPONENT
AIR FORCE

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE
FEB 86

3 INSTALLATION AND LOCATION
VARIOUS AIR FORCE BASES

4 PROJECT TITLE
ALTERNATIVE FAMILY HOUSING IMPROVEMENTS

5 PROJECT NUMBER
N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
NEVADA	
Nellis AFB	
Improve 70 Capehart units - work consists of adding dishwashers, kitchen cabinets, vanities, patio, privacy fence, street lights, landscaping, sprinkler system, safety fence around borrow pits and between housing area and desert. Add attic vents. Project includes conjunctive repair work. - Work accomplished in previous three years consisted of repairing air conditioning, fencing, and painting totaling $1,055,500. - No work programed for next three years.	655
NEW HAMPSHIRE	
Pease AFB	
Improve 200 Capehart units - work consists of constructing additions to living area which will functionally improve floor plans, adding baths, screen porches, patios and privacy fencing, installing dishwashers and disposals. Project includes conjunctive repair work. (Phase 1 of 6.) (Separate DD Form 1391 attached on page 1213.) - Work accomplished in previous three years consisted of exterior maintenance, new thermostats, repair driveways, kitchens, and sewer systems totaling $1,358,000. - No work programed for next three years.	4,205

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
OHIO	
Wright-Patterson AFB	
Install heat pumps in 420 Appropriated units (FY 70). Units are all electric and natural gas is not in the area. Project is a pure energy endeavor. SIR: 1.6 SPB: 6.5 yrs DPB: 9.5 yrs ECR: 28.5	970
SOUTH CAROLINA	
Charleston AFB	
Improve 188 Capehart units - work consists of constructing bathroom additions, range hoods, trash screening and installing dishwashers, exhaust fans and thermopane windows, and improving HVAC filter system. Project includes conjunctive repair work. (Phase 2 of 3.) - Work accomplished in previous three years included floor, sewer, and termite damage repair, exterior painting, roof replacement, gutter and downspout installation and A/C replacement, totaling $285,000. - No work programed for next three years.	2,697

☆ U.S. G.P.O. 1977-241-130/1215

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4. PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
SOUTH CAROLINA (Cont'd)	
Shaw AFB	
Improve 74 Appropriated units (FY 70A) - work consists of renovating kitchen and dining rooms, enlarging exterior entries, extending roof lines, and installing siding and storm doors. Project includes conjunctive repair work. (Phase 1 of 2.) (Separate DD Form 1391 attached on page 1214.) - Work accomplished in previous three years included floor repair, electric distribution correction, and driveway repair totaling $163,000. - No work programed for next three years.	834
TEXAS	
Lackland AFB	
Improve 64 Appropriated units (FY 50-69) - work includes constructing addition for a front entry, 3/4 bathroom, carport and storage, kitchen rearrangement, and electrical upgrade. Project includes conjunctive repair work. (Separate DD Form 1391 attached on page 1215.) - No work accomplished in previous three years. - No work programed for next three years.	1,485

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
TEXAS (Con'd)	
Reese AFB	
Upgrade 100 Wherry units - work includes a complete functional rearrangement of the interior living space, upgrade HVAC systems, constructing patios, exterior storage, and privacy fences. Project includes conjunctive repair work. (Phase 1 of 3.) (Separate DD Form 1391 attached on Page 1216.) - Work accomplished in previous three years consisted of painting, reroofing, repairing lights, installing flue dampers, and insulating attics totaling $544,000. - No work programed for next three years.	2,304
WASHINGTON	
Fairchild AFB	
Improve 202 Wherry housing units - work consists of constructing additions for second baths in 3 bedroom units, garages and patios with privacy fences; installing dishwashers and whole house fans, upgrading electrical systems and converting furnaces to natural gas. Project includes conjunctive repair work. (Separate DD Form 1391 attached on Page 1217.) - No work accomplished in previous three years. - No work programed for next three years.	3,927

U.S. G.P.O. 1977-241-130/12

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS		5 PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
OVERSEAS	
GERMANY	
Hahn AB	
Improve 48 Foreign Source units - work consists of constructing a four-story precast concrete tower addition to provide a second bath and laundry room for 3 bedroom apartments. (Phase 2 of 4.) - Work accomplished in previous three years consisted of exterior waterproofing and roof replacement totaling $144,000. - No work programed for next three years.	814
Spangdahlem AB	
Improve 144 Foreign Source units - work consists of constructing a four-story precast concrete tower addition to provide a second bath and laundry room for 3 bedroom apartments. (Phase 1 of 4.) - No work accomplished in previous three years. - No work programed for next three years.	1,332

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE ALTERNATIVE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER N/A

10. Description of work to be accomplished

Location and Project	($000) Current Working Estimate
JAPAN	
Kadena AB	
Improve 100 Appropriated units (FY 50-69) - work consists of kitchen and bath improvement, adding master baths, installing dishwashers, disposals and central air conditioning; and utility service repair and upgrade. Project includes conjunctive repair work. (Separate DD Form 1391 attached on Page .) - Work accomplished in previous three years consisted of reroofing, replacing doors, windows, cabinets, electrical wiring and weatherproofing totaling $7,800,000. None of the work accomplished will be removed in the new project. - No work programed for next three years.	2,771
Provide disposals, dishwashers, smoke detectors and blinds for 600 MFH units being constructed for the U.S. under the Government of Japan Facility Improvement Program.	265
TURKEY	
Incirlik	
Improve 100 Surplus Commodity units - work consists of constructing utility rooms and exterior storage sheds. (Phase 2 of 2.) - No work accomplished in previous three years. - No work programed for next three years.	1,128

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

ALTERNATIVE IMPROVEMENT PROJECTS (over $30,000 per unit)

A separate DD Form 1391 follows for each new alternative PAIP project which is over $30,000 per unit (multiplied by the Area Cost Factor):

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-144	7 PROJECT NUMBER FXSB879406	8 PROJECT COST ($000) 760

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	12	63,360	760
ALTERATIONS/IMPROVEMENTS	UN	12	41,506	498
CONCURRENT REPAIRS (O&M)	UN	12	21,854	262

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 12 Appropriated units (FY 50-69) known as Douglas - work consists of whole house renovation reconfiguring and constructing new interior layouts including conversion from 3 bedrooms to 2 bedrooms, changes to main level living, dining, kitchen and bathroom areas and new exterior storage and garages. Repair work includes removing asbestos insulation, replacing electrical, plumbing and heating systems, tile and vinyl floors, interior doors and trim, painting and repairing interior walls and ceilings and exterior landscaping. Project includes all work necessary to functionally improve the units to current standards of livability.

11. REQUIREMENT: These units are in need of general upgrade and improvement to meet current standards. The units were constructed in the early 1950's and have received no major interior renovations. Bedrooms and dining rooms are too small and there is no bathroom located on the first floor of these two-story units. Bath vanities, lights, and fixtures are original and need replacement due to deteriorated conditions. Piecemeal repairs have been made to the electrical and heating systems over the years, but a modern and safe utility system is required to insure occupant safety and comfort to include asbestos insulation removal from heating system piping. Garages and exterior storage are required to protect vehicles and personal belongings from the elements due to the winter design temperature of -22°F. The above costs represent a project average Area Cost Factor equal to 1.92. The estimated cost for improvement of all the units is $63,360 each.

U.S. G.P.O. 1984-420-879/13474

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION MACDILL AIR BASE, FLORIDA	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-121	7 PROJECT NUMBER NVZR850302	8 PROJECT COST ($000) 2,103

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	71	29,620	2,103
ALTERATIONS/IMPROVEMENTS	UN	71	18,184	1,291
ENERGY CONSERVATION	UN	71	1,620	115
CONCURRENT REPAIRS (O&M FUNDS)	UN	71	9,816	697

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 71 Wherry units - work consists of whole house renovation including demolishing interior entrance stairwells for construction of utility rooms. Replace kitchen and bath fixtures and cabinets, replace floor tile throughout units, repair roofs, facia and soffits, patch and paint interior walls and ceilings, replace electrical systems and receptacles, and install new high efficiency heating ventilation and air conditioning units. Project includes all work necessary to bring units up to current standards of livability

11. REQUIREMENT: Project is required to provide adequate quarters for military members and their families assigned to MacDill AFB. These Wherry units were constructed in 1951 and have been declared substandard for 15 years. Kitchens are poorly arranged and fixtures, cabinets, and countertops date back to original construction. Normal conveniences such as range hoods, dishwashers and garbage disposals are not available. Cement asbestos shingles are past useful life allowing sheathing, rafters, and soffits to be subject to water damage. Interior wall finishes, and electrical systems are old and need replacement. Insulation and new HVAC systems are needed to conserve energy. This project is the last phase of a four phase program to upgrade and modernize all Wherry Military Family Housing units at MacDill AFB. The above cost represents a project average Area Cost Factor equal to .77. The average unit cost is $29,620.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION PEASE AIR FORCE BASE, NEW HAMPSHIRE	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-111	7 PROJECT NUMBER SZDT789100	8 PROJECT COST ($000) 7,177

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	200	35,885	7,177
ALTERATIONS/IMPROVEMENTS	UN	200	21,025	4,205
CONCURRENT REPAIRS (O&M FUNDS)	UN	200	14,860	2,972

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 200 Capehart units - work consists of whole house renovation including building additions to authorized size by enlarging living and dining areas, relocating kitchens, adding master bath to master bedrooms, and adding closet space. Relocate first floor baths in duplex units, and add half baths to quadraplex units. Modernize baths, cap existing heating ducts in slabs (that subject residents to residual chlordane treatment) and provide wall duct heating. Construct screen porches in some units, outside storage areas, patios and privacy fences and alter entrances in some units. Replace roofs and windows, install whole house fans, install dishwashers and garbage disposals, and landscape and repair grounds. Project includes all work necessary to functionally improve the units to current standards for livability.

11. REQUIREMENT: Project is required to provide adequate quarters for military members and their families. The existing units are 27 years old and were designed with less space then current standards of livability. No quadraplex units have first floor baths and duplex unit half baths are inefficiently laid out. Existing kitchen and bath fixtures and cabinets are original fixtures that are outdated and deteriorating. Electrical wiring is extremely brittle and entire electrical system is outdated and does not conform to the National Electric Code. Roofs, windows and floor tiles have exceeded service. All units lack adequate storage space and have no back yard privacy areas. The above costs represent a project Area Cost Factor equal to 1.14. The most expensive unit cost is $44,456 and the project averages $35,885 per unit.

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1 COMPONENT AIR FORCE	FY 19~~87~~ MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION SHAW AIR FORCE BASE SOUTH CAROLINA	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-142	7 PROJECT NUMBER VKAG890001P2	8 PROJECT COST ($000) 2,598

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	74	35,108	2,598
ALTERATIONS/IMPROVEMENTS	UN	74	11,270	834
CONCURRENT REPAIRS (O&M FUNDS)	UN	74	23,838	1,764

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 74 Appropriated units (FY70) - work consists of whole hcuse renovation including installation of an extended roof line over front entrances, new siding, new storm doors and windows, kitchen and bath fixture and cabinet repalcement and modernization, replacement of air conditioning (AC) units, pads and refigerant tubing and support lines, repair roofs, replace interior doors and trim, floor tile, baseboard, appliances, and light fixtures. Reinsulate attics, walls, and water pipes, and repaint interior and exterior trim. Project includes all work necessary to functionally improve the units to current standards of livability.

11. REQUIREMENT: Project is required to provide adequate quarters for active duty military personnel assigned to Shaw AFB. The units were built approximately 13 years ago with inferior materials and of poor quality and craftsmanship. Exterior doors, siding and windows are directly exposed to the elements with very little roof overhang, allowing rapid deterioration. Units do not have storm or screen doors to permit ambient air circulation causing excessive energy use. Existing windows are single glazed, light-duty windows, also deteriorating from weather exposure. The present AC system is undersized resulting in inefficient energy use. Support utilities to the AC are exhibiting extreme corrosion due to below grade installation. Existing bathtubs are unsupported fiberglass with a constant leak and water damage problem. Cabinets, countertops, and light fixtures are of poor quality requiring replacemnt due to high maintenance. The advanced deterioration of these units will continue to cause increases in maintenance costs. The above costs represent a project average Area Cost Factor of .82. The estimated cost for improvement to all the units is $35,108 each.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-143	7 PROJECT NUMBER MPLS780107AB	8 PROJECT COST ($000) 1,920

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	64	30,000	1,920
ALTERATIONS/IMPROVEMENTS	UN	64	23,203	1,485
ENERGY CONSERVATION	UN	64	6,797	435

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 64 Appropriated units (FY 50) - work consists of whole house renovation including construction of front entries, three-quarter bath additions, breakfast nooks, carports and storage areas. Additionally, the project will renovate kitchens and acoustical ceiling, and replace electrical systems and fixtures. Project includes all work necessary to functionally improve the units to present Air Force standards for livability.

11. REQUIREMENT: Project is required to provide adequate quarters for enlisted personnel. The 64 units, known as Zachry Military Family Housing, are the first generation housing units on Lackland, built in 1950, and have had no upgrade since construction. Each unit is a row-type townhouse with three bedrooms and one bathroom on the second floor. All other base housing has at least one and one-half baths. Storage of yard equipment outside is subject to theft or vandalism. Back sides of units are common lawn areas with little privacy for family activities. No off-street parking is available and streets are narrow and crowded. The units do not compare favorably with newer Wherry and Capehart constructed units and are often refused when offered to members for occupancy. With these modifications the quarters will compare favorably to all others. The above costs represent a project average Area Cost Factor equal to .86. The estimated cost for improvement of the units total $30,000 each.

1 COMPONENT AIR FORCE	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION REESE AIR FORCE BASE, TEXAS	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-121	7 PROJECT NUMBER DBNY870024AB	8 PROJECT COST ($000) 2,895

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	100	28,950	2,895
ALTERATIONS/IMPROVEMENTS	UN	100	23,040	2,304
CONCURRENT REPAIRS (O&M FUNDS)	UN	100	5,910	591

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 100 Wherry units - work consists of whole house renovation including renovation of kitchens, dining rooms, baths, and interior traffic flow areas. Additionally, work will accomplish interior electrical repair, HVAC improvement, wooden and vinyl floor replacement, exterior storage repair, new patios, privacy fences, and window and storm door replacement. Construction will include a master bedroom and bath in three bedroom single units and an additional bath in the three bedroom duplex units. Project includes all work necessary to functionally improve the units to current standards of livability. (Phase 1 of 3.)

11. REQUIREMENT: This project is required to provide adequate quarters for military members and their families assigned to Reese AFB. The units were constructed in 1953 to minimum Federal Housing Administration (FHA) standards that do not compare to the current housing market. Existing baths require reconfiguration and fixture replacement. Kitchens require functional rearrangement to provide adequate storage, cabinet, and countertop area. Traffic flow patterns need better circulation routes for accessibility to all living areas while maintaining sleeping quarter segregation for privacy. Interior doors and windows require replacement to eliminate air infiltration and excessive maintenance. Three bedroom units have only one bath. These units do not compare with available housing on the local economy. The above costs represent a project average Area Cost Factor equal to .87. The estimated cost for improvement of the units is $28,950 each.

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-121	7 PROJECT NUMBER GJKZ8300023P1	8 PROJECT COST ($000) 6,574

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	202	32,545	6,574
ALTERATIONS/IMPROVEMENTS	UN	202	17,649	3,565
ENERGY CONSERVATION	UN	202	1,792	362
CONCURRENT REPAIRS (O&M FUNDS)	UN	202	13,104	2,647

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 202 Wherry units - consists of whole house renovation including building additions to authorized size in two and three bedroom units. Second bathrooms will be added to three bedroom units and floor plans reconfigured to improve functional arrangement. Replace kitchen and bath fixtures, cabinets, and countertops; install dishwashers, ground fault circuits, whole house fans and bathroom ventilation; construct patios with privacy screens and carports. Replace insulation in walls and ceilings, reduce air infiltration, repair and replace structural framing, floor tile, electrical wiring and fixtures, exterior siding and repair interiors. Project includes all work necessary to improve the units to current standards of livability.

11. REQUIREMENT: Project is required to provide adequate quarters for military members and their families. These units were built in the 1950's and have received piecemeal improvements on selected units only. Homes do not provide the maximum space authorized by grade, kitchens lack dishwashers, and electrical systems are not grounded. Three bedroom units have only one bath and some lack showers in the tubs. Doors, windows, and storm windows are deteriorated and in need of replacement. Exterior siding is brittle, cracked, faded and failing. Kitchen and bath fixtures are chipped, stained, and require replacement. Electrical wiring has become brittle with age and original fixtures do not provide sufficient illumination. Presently there is only one covered parking space for every two units and single lane driveways do not provide sufficient parking while serving two families. Thre are no family privacy areas nor playgrounds accessible to children. The above costs represent a project Area Cost Factor equal to 1.13. The most expensive unit cost is $36,100 and the project averages $32,545 per unit.

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION KADENA AIR BASE, JAPAN	4 PROJECT TITLE ALTERNATIVE IMPROVE FAMILY HOUSING

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-143/711-144	7 PROJECT NUMBER LXEZ826477	8 PROJECT COST ($000) 5,054

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
IMPROVE FAMILY HOUSING	UN	100	50,540	5,054
ALTERATIONS/IMPROVEMENTS	UN	100	27,710	2,771
CONCURRENT REPAIRS (O&M FUNDS)	UN	100	22,830	2,283

10 DESCRIPTION OF PROPOSED CONSTRUCTION Improve 100 Appropriated units (FY 50) - work consists of whole house renovation including upgrade of master bedroom and bath, installation of central air conditioning and new heating systems, new dishwashers and garbage disposals, modernize kitchens and baths, replace fixtures, cabinets and countertops, resurface or replace walls and ceilings, electrical wiring, light fixtures, plumbing systems, floor coverings, and exterior doors and windows. Project includes all work necessary to functionally improve the units to current standards of livability.

11. REQUIREMENT: Project is required to provide adequate quarters for military members and their families. The existing houses were constructed in the 1950's and lack most of the amenities, conveniences, and functional features common to new military family housing being constructed by the Government of Japan. These units have had no major work other than routine and change of occupancy maintenance since construction. Kitchen cabinets were built in place and are obsolete. Window type air conditioning units are installed by occupants. Some bedrooms are so small they require modification. Interior storage is inadequate. Electrical wiring insulation is brittle and susceptible to shorting and grounding. The above costs represent a project average Area Cost Factor equal to 1.07. The most expensive unit cost is $55,000 and the project averages $50,540 per unit.

U.S. G.P.O. 1984-420-979/13578

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

ADVANCE PLANNING AND DESIGN

Program (In Thousands)

FY 1987 Program $7,000
FY 1986 Program $5,000

Purpose and Scope

This program provides for preliminary studies for the development of additional family housing facilities, studies for site adaptation and determination of type and design of units; and working drawings, specifications and estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction.

Program Summary

Authorization is requested for:

(1) Advance planning and design for future year housing programs; and

(2) Appropriation of $7,000,000 to fund this effort as outlined in the following exhibit:

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1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4 PROJECT TITLE FAMILY HOUSING ADVANCE PLANNING AND DESIGN

5 PROGRAM ELEMENT 88741	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 7,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Advanced Planning and Design	LS			7,000
TOTAL				7,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Architect-engineer services, surveys, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Defense Family Housing Management Account.

11. REQUIREMENT: The funds requested are necessary to procure architect-engineer services to make site and utility investigations; for the preparation of design and specifications; and for other services and fees in connection with the preparation of advance plans for future year housing programs.

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U.S. G.P.O. 1984-420-979/13474

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

OPERATIONS, UTILITIES AND MAINTENANCE
(EXCLUDING LEASING)

Program (In Thousands)

FY 1987 Program $664,268
FY 1986 Program $584,585

Purpose and Scope

a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:

(1) Management. Includes installation-level management such as housing office operations, administrative support, and community liaison. Housing referral costs are also included. The housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.

(2) Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal and street cleaning.

(3) Furnishings. Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

(4) Miscellaneous. Includes funds paid to other Federal Agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, mobile home hookups, leased offices and warehouse space supporting family housing, and similar costs.

b. Utilities. Includes all utilities serving family housing, purchased and base produced, except telephone.

c. Maintenance. This portion of the program provides upkeep of family housing real property, as follows:

(1) Maintenance/Repair of Dwellings. Includes service calls, routine maintenance, major repairs and replacement.

(2) Exterior Utilities. Encompasses maintenance and repair of water, sewer, electric, heat and gas lines located within family housing areas.

(3) Other Real Property. Includes work on grounds, roads and parking areas, and other family housing property not shown above.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

The Air Force shares the concerns of Congress expressed in congressional committee reports for improved support to military families and for the proper care of the existing inventory of houses. This budget is in consonance with a long-range program responding to congressional desires as much as possible in the current environment of budget restraint.

A comparative analysis of FY 83 through FY 87 in constant dollars, indicates that the funds provided by Congress for operating and maintaining Air Force housing are decreasing. In constant FY 87 dollars, $768 million was provided to operate and maintain the Air Force family housing inventory in FY 83; $726 million in FY 84; $717 million in FY 85 and $609 million in FY 86. Budget constraints have reduced our FY 87 request to $664 million which represents a loss of about $1,190 per unit in five years. Considering the ongoing budget constraints, this request is the minimum to assure an operational inventory of housing.

Program Justification

In the early 1980's it was necessary for the Air Force to reprogram funds from Maintenance to Operations to cover must-pay costs. Reprogramming from Maintenance was highly undesirable considering the large maintenance backlog and congressional interest in appropriate levels of repair to military housing. This unfavorable trend continued until FY 83 when a stronger economy enabled us to reduce furnishings and maintenance backlogs. In FY 84 and FY 85 we met our requirements, within approved funding levels, through continued favorable economic conditions and foreign currency exhange rates which increased resources, offsetting the constraints applied to our budget estimates by Congress. In the last half of FY 85 the value of the dollar began to fall in relation to foreign currencies, forcing us to reprogram resources to meet requirements. It will be necessary to reprogram FY 86 funds from Maintenance to Operations to cover must-pay costs. Due to the reduced FY 86 funding level and necessary reprograming, our maintenance program will be significantly curtailed. Our FY 87 request is priced in accordance with OSD specified escalation and foreign currency rates. If actual execution rates are close to the budget rates, funds requested will provide only minimum essential services for about 138,000 housing units and referral services to 158,000 members seeking housing on the private market.

Operations

FY 1986 Est. Execution	FY 1987 Request
$96,663	$109,295

The FY 87 requested program represents the Air Force family housing requirements using OSD directed inflation and foreign currency rates. Pay raises for U.S. Civilian employees are not included in either the FY 86 or FY 87 budget estimates. Each program sub-account is described in detail in the following analysis:

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(4) Alteration and Additions. Provides minor improvements to dwellings or housing support facilities. Larger scope or higher dollar value items are funded in the construction program.

Program Summary - Highlights

Authorization/Appropriation is requested in FY 1987 for $664,268,000. This amount, together with estimated reimbursements of $18,000,000 will fund the FY 87 Operations and Maintenance program of $682,268,000.

A summary of the funding program for FY 87 follows:

Operations Request (in thous.)	Utilities Request (in thous.)	Maintenance Request (in thous.)	Total Direct Request (in thous.)	Reimbursements (in thous.)	Total Program (in thous.)
$109,295	$247,289	$307,684	$664,268	$18,000	$682,268

The Air Force family housing budget requests minimum essential resources to provide military families with adequate housing either on the private market, through assistance from a housing referral office, or in government housing. The living conditions of many military families throughout the world are far less than desirable. Therefore, increased emphasis has been placed on the proper funding of the family housing Operations and Maintenance program. The Air Force's FY 87 Operations and Maintenance program includes the following areas of emphasis:

- Utility consumption per unit is being reduced due to increased management emphasis on conservation and the impact of previously approved Energy Conservation Investment Program (ECIP) projects.

- Maintenance and repair in conjunction with "whole house" improvements to obtain the greatest improvement in livability and increase the useful life of family housing units, with minimum capital investment.

- Funding for Government appliances and furniture consistent with cost/benefit studies.

- Begin to acquire the furniture necessary to meet Air Force responsibilities as the designated housing manager for all services on Okinawa. This includes support to the Marine Corps after their decision to provide accompanied tours to 5,000 marines on Okinawa.

- Proceed with the testing of clearing and cleaning contracts to eliminate a major irritant of family housing occupants and to reduce temporary lodging expenditures at overseas locations.

- Continue to implement computer based information systems in family housing offices to increase service to members and increase the utilization of quarters to save dislocation allowance funds.

- A program has been initiated to resolve the problem of high operations and maintenance costs in certain quarters.

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

a. Management

FY 1986 Est. Execution	FY 1987 Request
$27,970	$29,969

The FY 87 request for family housing management resources is increased to support over 1,300 additional housing units.

The requirements and adjustments are:	($M)
FY 1986 PRESIDENT'S BUDGET REQUEST	$25.5
Congressional Adjustment	
- Gramm, Rudman, Hollings Reduction	-1.3
- Cancellation of Proposed FY 86 5% Pay Reduction	+.8
Price Growth	
- Revised Estimate Annualization of Foreign National Pay Raises	+.2
- Foreign Currency Fluctuation	+3.7
Program Decrease	
- Cancellation of Training and Travel To Accommodate Budget Constraints	-1.0
FY 1986 CURRENT ESTIMATE	$27.9
Price Growth	
- Annualization of Foreign National Pay Raises	+.9
Program Increase	
- Units Supported Increase	+.6
- Installation of Computer Based Operations Management Systems	+.5
FY 1987 BUDGET REQUEST	$29.9

In the management sub-account there are increases due to pay raises for foreign national employees and foreign currency losses. Unit management costs have increased from $204 per unit in FY 86 to $216 in FY 87; We absorbed most of the cost increases discussed above through improved processing and automation in the management activity.

b. Services

FY 1986 Est. Execution	FY 1987 Request
$21,760	$23,992

The FY 87 request for services has unit costs rising from $159 per unit in FY 86 to $173 per unit in FY 87.

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FY 1987 REQUEST

The requirements and adjustments are:	($M)
FY 1986 PRESIDENT'S BUDGET REQUEST	$22.9
Congressional Adjustment	
- Gramm, Rudman, Hollings Reduction	-1.1
- Cancellaton of Proposed FY 86 5% Pay Reduction	+.3
Price Growth	
- Foreign Currency Revaluation	+.1
Program Increase	
- Cleaning and Clearing Test	+.2
Program Decreases	
- Reduction in Housing Support Requirement by Increased Self-Service Effort of Housing Occupants	-.6
FY 1986 CURRENT ESTIMATE	$21.8
Price Growth	
- Annualization of Foreign National Pay Raises	+.5
- Inflation/Price Increases in Contracts	+.9
Program Increases	
- Cleaning and Clearing Experiment	+.3
- Units Supported Increase	+.4
FY 1987 BUDGET REQUEST	$23.9

The FY 87 budget has been increased by the added cost of the new housing inventory, escalation of contracts and other price increases. In addition, the Air Force will test a new program in overseas areas in 1986 and 1987 to reduce total costs associated with permanent change of station moves. Members with families overseas are entitled to 10 days of Temporary Lodging Allowance (TLA) to pay for lodging and food after household goods have been shipped. We believe it will be more economical to leave the family in their government quarters with government loaner furniture until they depart the area, and pay for contract quarters cleaning in lieu of TLA. The increased costs to family housing will generate greater savings in other appropriations. If this program proves more economical, the program will be placed into effect worldwide.

c. Furnishings

FY 1986 Est. Execution	FY 1987 Request
$41,486	$48,872

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This account contains funding for essential furnishings at levels consistent with cost/benefit studies and the needs of the Air Force. Based on economic analyses, the Air Force has been reducing furniture support provided to members in overseas areas since 1976. The FY 87 estimate reflects continued reduction of furniture support in Europe, and maintenance of the programs in Japan and the Philippines. Even though the phased-in shipment and use of personally owned furniture is progressing as planned in Europe, certain furniture items will continue to be needed:

(1) Loaner sets of furniture are issued to military families to allow occupancy of permanent quarters prior to the overseas arrival of personally owned furniture and to remain in permanent quarters after furniture is shipped due to a change of station. Loaner sets reduce the cost of Temporary Lodging Allowance significantly. The pay back ratio of investment to savings is about 1:10.

(2) Other items of household furnishings normally built into U.S. houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets or appliances, are issued to military families.

The requirements and adjustments are:

	($M)
FY 1986 PRESIDENT'S BUDGET REQUEST	$38.3
Congressional Adjustment	
- Adjust to appropriation amount	-2.3
- Gramm, Rudman, Hollings Reduction	-1.8
- Cancellaton of Proposed FY 86 5% Pay Reduction	+.3
- Foreign Currency Fluctuations	+7.3
Program Increase	
- Furniture for Marine Corps on Okinawa	+2.0
Program Decrease	
- Reduced Furniture Requirement from Member Using Their Personal Furniture on Overseas Assignment in Europe	-1.6
- Deferred Furniture Replacement - Budget Constraint	-.7
FY 1986 CURRENT ESTIMATE	$41.5

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Price Growth	
- Annualization of Foreign National Pay Raises	+.9
- Equipment Maintenance Price Growth	+.7
- Transportation Price Growth	+.2
- Furniture Purchase Price Growth	+3.0
Program Increase	
- Units Supported Increase	+1.3
- Furniture for Marine Corps on Okinawa	+3.1
Program Decrease	
- Reduced Furniture Requirement from Member Using Their Personal Furniture on Overseas Assignment in Europe	-1.8
FY 1987 BUDGET REQUEST	$48.9

The program adjustments of $1.6 million in FY 86 and $1.8 million in FY 87 show the continuing reduction of government furniture inventories in Europe through continued phased-in use of the member's personal furniture while serving overseas, instead of the member using government furniture. However, these reductions are offset by pay increases for employees who maintain and repair, transport and warehouse appliances and furniture. Inflation/price increases on purchase of replacement furniture and equipment must also be paid.

Initial issue of appliances to support newly leased housing units being added to the Air Force inventory and the furniture for over 1,300 new homes coming on line in FY87 will necessitate added FY 86 funding for the furniture.

Budget constraints in FY 85 and FY 86 have deferred furniture replacement needed to maintain the required levels of government furniture. An increase in Marine Corps accompanied assignments on Okinawa has also impacted the Air Force furnishings budget. The Air Force must supply furniture and furnishings for new housing provided by the Japanese government at American bases. As the single point housing manager on Okinawa, the Air Force must support personnel assigned from all services. Without adequate funding in the near future, we will not be able to support the newly acquired housing. Furniture maintenance costs will be high due to continued use of furniture that is beyond the point of economical repair.

d. Miscellaneous

FY 1986 Execution	FY 1987 Request
$5,447	$6,462

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The requirements and adjustments are:	($M)
FY 86 PRESIDENT'S BUDGET REQUEST	$5.0
Congressional Adjustment	
- Gramm, Rudman, Hollings Reduction	-.2
Price Growth	
- Foreign Currency Fluctuation	+.6
FY 1986 CURRENT ESTIMATE	$5.4
Price Growth	
- Accommodation Charge Increase	+1.1
FY 1987 BUDGET REQUEST	$6.5

Unfavorable foreign currency exchange rates in FY 86 and increased accommodation charge costs associated with our occupancy of units owned by the Ministry of Defense (MOD) in the United Kingdom (UK) account for the changes in miscellaneous requirements.

Utilities

FY 1986 Est. Execution	FY 1987 Request
$237,531	$247,289

The Budget request for utilities in FY 87 includes the costs of electricity, coal, gas, fuel oil, steam, water and sewage treatment. The Utilities program for FY 87 is projected with FY 85 as a baseline since this is the latest year available for comparisons to actual expenditures. The FY 87 request reflects a 3.9% per year increase from the FY 85 expenditure of $229.4 million.

The following chart shows that despite rising costs, utility consumption has stayed relatively constant. Natural gas is the only utility with a significant increase (6 percent) over FY 85:

Utilities/Fuel/Energy Consumption

	FY 85	FY 86	FY 87
Electricity (MWH)	2,042,227	2,046,263	2,061,366
Coal (MBTU)	1,586,521	1,518,099	1,550,455
Gas (K CU Ft)	8,641,372	9,112,122	9,155,930
Fuel Oil (K Gal)	23,098	20,424	20,860
Steam/Hot Water (MBTU)	1,226,463	1,226,386	1,226,801

Overall, utility rate increases are being partially offset by continued conservation efforts. We will serve over 1,300 more housing units in FY 87, but the cost increase is primarily caused by utility rate increases in electricity, coal, natural gas, water and sewage treatment, which comprise over 80% of utility costs. Only fuel oil and steam show slight decreases in rates, which are attributable to plant renovations and steam line replacement projects which reduce boiler and line losses.

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MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

Rather than cost, utility consumption by MBTU would be a better measure of the effectiveness of the Air Force's efforts to conserve energy. MBTU per unit is not influenced by rate increase or price escalation. Also, consumption per unit can be measured regardless of the energy source. Therefore MBTU is a common denominator which reflects the effectiveness of the Energy Conservation Investment Program (ECIP), state-of-the-art construction techniques and the installation of energy efficient conveniences, e.g. energy saving appliances, water fixtures, etc.

The following chart shows that while funding requirements and the number of housing units have increased from FY 85 to FY 87, MBTU consumed per unit decreased 0.6% during the same period:

	FY 85 Actual	FY 86 Estimate	FY 87 Request
Requirement (FCF Normalized)	$229,379,000	$237,531,000	$247,289,000
Avg # Units	137,465	137,192	138,498
Cost/Unit	$1,668.64	$1,731.38	$1,785.51
Cost/Unit Change (%)	+0.5%	+3.8%	+3.1%
Total MBTU's	22,558,144	22,406,693	22,602,281
MBTU's/Unit	164.101	163.324	163.196

Our efforts in energy conservation and ECIP to improve the efficiency of energy use are keeping consumption at a constant level while making more energy-using conveniences available to housing occupants.

The requirements and adjustments are:	($M)
FY 1986 PRESIDENT'S BUDGET REQUEST	$241.8
Congressional Adjustment	
- Adjust to appropriation amount	-6.8
- Gramm, Rudman, Hollings Reduction	-11.5
- Cancellation of Proposed FY 86 5% Pay Reduction	+.3
Price Growth	
- Foreign Currency Fluctuation	+14.1
- Additional Rate Increases on Purchased Utilities	+1.8
Program Decrease	
- Consumption Reduction and Economies	-2.2
FY 1986 CURRENT ESTIMATE	$237.5
Price Growth	
- Price Growth for Fuel	-3.2
- Annualization of Foreign National Pay Raises	+.5
- Inflation/Price Growth for Purchased Utilities	+10.9
- Inflation/Price growth for Coal	+.9
- Units Supported Increase	+3.2
Program Decrease	
- Consumption Reduction and Economies	-2.5
FY 1987 BUDGET REQUEST	$247.3

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

The reductions in utility costs in FY 86 and FY 87 from energy conservation measures are offset by inflation/price escalation, foreign currency losses and an increased housing inventory. The price increases include unusually high charges from the San Antonio Real Property Maintenance Activity (SARPMA) which increased its costs for utilities an average of 82.5% in FY 85. Their projection for FY 86 is to increase utility costs 64% at Lackland AFB and 78% at Randolph AFB. Air Force family housing in the area of SARPMA functions must absorb the costs of this industrially funded activity.

Maintenance

FY 1986 Est. Execution	FY 1987 Request
$250,391	$307,684

Air Force family housing assets are valued at over $11 billion in replacement value. Sound property management and economies dictate proper preservation and protection of these assets.

	($M)
FY 86 PRESIDENT'S BUDGET REQUEST	$ 332.4
Congressional Adjustment	
- Adjust to appropriation amount	-46.6
- Gramm, Rudman, Hollings Reduction	-14.0
- Cancellation of Proposed FY 86 5% Pay Reduction	+2.4
Price Growth	
- Foreign Currency Fluctuation	+12.2
Program Decrease	
- Transfer to Operations to Cover Foreign Currency Losses on "Must Pay" Costs	-4.5
- Transfer to Leasing to Cover Foreign Currency Losses on "Must Pay" Costs	-6.2
- Budget Constraint, Additional Delay in Backlog Reduction	-25.3
FY 1986 CURRENT ESTIMATE	$250.4
Price Growth	
- Annualization of Foreign National Pay Raises	+1.0
- Engineering Contract Services	+2.2
- Equipment Maintenance	+ .7
- Supplies	+ .4
Program Increase	
- Units Supported Increase	+3.2
- Backlog Carry Over Reduction	+49.8
FY 87 BUDGET REQUEST	$307.7

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

Backlog of Deferred Maintenance

In FY 82, consistent with Congressional concern, the Air Force proposed to reduce the maintenance backlog to a manageable level by FY 88. Some progress was made through FY 84 with Congressional support, favorable foreign currency rates and reprogramming excess lease funding to Maintenance. In FY 85, unfavorable foreign currency rates forced us to divert Maintenance funds to cover "must pay" operating expenses. The FY 86 appropriation was $46.55 million less than requested. Due to this reduction, further foreign currency losses and additional Gramm-Rudman reductions, resources are not available to reduce the backlog in FY 86. In fact, backlog grew by $25 million. Our efforts to reduce the growing maintenance backlog will continue if resources are available in FY 1987. Without appropriate funding levels, progress will be slow. With present and anticipated budget constraints, our backlog reduction goal will not be reached until the mid 1990s.

The following chart illustrates the backlog of deferred maintenance ($M):

Fiscal Year	FY 83	FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90	FY 91
Backlog at Beginning of Year*	912	809	782	761	843	878	859	834	796
Normal Recurring Maintenance	242	245	261	275	289	303	317	331	346
Total Requirement	1154	1054	1043	1036	1132	1181	1176	1165	1142
Funds Available	388**	329	335	250	311	376	393	418	429
Backlog at End of Year	766	725	708	786	821	805	783	747	713
Backlog Reduction (Growth)	146	84	74	(25)	22	73	76	87	83

*Includes inflation increase from prior year
**Includes $34 million for Jobs Bill

Reimbursement Authority

FY 1986 Est Execution	FY 1987 Request
$15,000	$18,000

The FY 87 program is based on actual FY 85 experience and considers inflationary/price escalation increases in the cost of rents, utility rates, services, and maintenance and repair work, which is reimbursed to family housing.

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
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The following chart shows the source of receipts for the Family Housing account:

	FY 1985	FY 1986	FY 1987
Mobile Home Parks	$4,404	$4,720	$4,880
Civilian Rent	516	525	550
Other Federal Agencies and Foreign Governments	2,299	2,350	2,370
Abuse and Neglect Charges	1,539	540	540
Receipts from Sales of Housing Assets	3,240	6,865	9,660
TOTAL	$12,000	$15,000	$18,000

Program Summary

Authorization is requested for:

(1) Family housing operations and maintenance expense; and

(2) Appropriation of $664,268 to fund FY 87 requirements.

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

(EXCLUDES LEASED UNITS AND COSTS)

	FY 1986 ESTIMATE	FY 1987 ESTIMATE
A. INVENTORY DATA		
Units in Being Beginning of Year	136,371	138,013
Units in Being at End of Year	138,013	138,982
Average Inventory for Year Requiring O&M	137,192	138,498
Funding:		
a. Conterminous U.S.	425,652	447,477
b. U.S. Overseas	27,622	30,491
c. Foreign	214,378	241,747
d. Worldwide	667,652	719,715

	TOTAL EST. ($000)	UNIT COST ($000)	TOTAL EST. ($000)	UNIT COST ($000)
B. FUNDING REQUIREMENT				
1. OPERATIONS				
Operating Expenses:				
a. Management	27,970	204	29,969	216
b. Services	21,760	159	23,992	173
c. Furnishings	41,486	302	48,872	353
d. Miscellaneous	5,447	40	6,462	47
Utility Expenses	237,531	1,731	247,289	1,785
Subtotal - Net Obligations	334,194	2,436	356,584	2,574
Add: Anticipated Reimbursements	8,100	59	8,300	60
Subtotal, Total Operations	342,294	2,495	364,884	2,634
2. MAINTENANCE				
a. Maintenance and Repair of Dwellings	214,335	1,563	263,377	1,902
b. Maintenance and Repair of Other Real Property	34,304	249	42,153	304
c. Alterations and Additions	1,752	13	2,154	16
Subtotal - Net Obligations	250,391	1,825	307,684	2,222
Add: Anticipated Reimbursement	6,900	50	9,700	70
Subtotal, Total Maintenance	257,291	1,875	317,384	2,292
3. GRAND TOTAL O&M EXPENSES (Incl. Reimb)	599,585	4,370	682,268	4,926
4. GRAND TOTAL O&M (Without Reimb)	584,585	4,261	664,268	4,796

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

REPAIRS CONJUNCTIVE WITH PRIOR YEAR PAIP (over $15,000 per unit)

As previously described in the section on Improvements, the remainder of the prior year PAIP is planned for accomplishment with the FY 87 appropriation. The following repairs, conjunctive with the prior year PAIP, are identified in this submission for information.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4 PROJECT TITLE FAMILY HOUSING REPAIRS CONJUNCTIVE WITH PRIOR YEAR PAIP

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 13,406

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects to Repair Family Housing	UN	603		13,406

10 DESCRIPTION OF PROPOSED CONSTRUCTION Projects include all work necessary to improve the livability of these units by repairing and replacing worn and deteriorated kitchen and bath cabinets; repairing/replacing/ maintaining floors, walls, and windows; repairing mechanical, electrical, and plumbing systems; replacing kitchen and bath fixtures and air conditioning systems; and repairing roof systems as required. (Continued on next page.)

11. REQUIREMENT: Requirement for Project:

PROJECT: Provides repairs in 603 units by replacing deteriorated components and/or building systems.

REQUIREMENT: Projects are required to improve the livability of older, obsolete family housing units. All projects are included in the Post Acquisition Improvement Program as concurrent repair.

CURRENT SITUATION: These units vary in age from 15 to 40 years. The facility components and utility systems are deteriorated to the extent that normal maintenance is no longer effective.

NOTE: This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed $15,000 per unit.

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING REPAIRS CONJUNCTIVE WITH PRIOR YEAR PAIP		5 PROJECT NUMBER

STATE, INSTALLATION, & PROJECT	P-722 ($000) CURRENT WORKING ESTIMATE
UNITED STATES	
NEW MEXICO	
Kirtland AFB Provide repairs to 110 Appropriated units - work includes replacement of kitchen and bath fixtures and cabinets, windows and doors, and repair furnaces and electrical wiring. (Project conjunctive with FY 86 PAIP.)	2,700
OVERSEAS	
GERMANY	
Ramstein AB Provide repairs to 280 Deutschemark units - work includes renovation/replacement of kitchen and bath fixtures and cabinets, plumbing and electrical systems, floor tile, and repainting. (Project conjunctive with FY 86 PAIP.)	7,073
JAPAN	
Misawa AB Provide repairs to 208 Commodity Credit units - work consists of replacing kitchen and bath fixtures and cabinets, walls, floors, appliances, electrical and water services and hot water heaters. (Project conjunctive with FY 86 PAIP.)	3,536
PHILIPPINES	
Clark AB Provide repairs to 5 Appropriated units (FY 50) - work consists of repairing kitchens, baths, interior electrical and plumbing systems, ceilings, doors, and refinish floors. (Project conjunctive with FY 86 PAIP.)	97

U.S. G.P.O. 1977-241-130/1215

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

REPAIRS CONJUNCTIVE WITH NEW PROJECTS IN THE FY 87 PAIP (over $15,000 per unit)

The following repairs are conjunctive with new projects included in the FY 87 PAIP.

February 1986

1 COMPONENT AIR FORCE	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4 PROJECT TITLE FAMILY HOUSING REPAIRS CONJUNCTIVE WITH FY 87 PAIP

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 17,462

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects to Repair Family Housing	UN	807		17,462

10 DESCRIPTION OF PROPOSED CONSTRUCTION Projects include all work necessary to improve the livability of these units by repairing and replacing worn and deteriorated kitchen and bath cabinets; repairing/replacing/ maintaining floors, walls, and windows; repairing mechanical, electrical, and plumbing systems; replacing kitchen and bath fixtures and air conditioning systems; and repairing roof systems as required. (Continued on next page.)

11. REQUIREMENT: Requirement for Project:
PROJECT: Provides repairs in 807 units by replacing deteriorated components and/or building systems.
REQUIREMENT: Projects are required to improve the livability of older, obsolete family housing units. All projects are included in the Post Acquisition Improvement Program as concurrent repair.
CURRENT SITUATION: These units vary in age from 15 to 36 years. The facility components and utility systems are deteriorated to the extent that normal maintenance is no longer effective.

NOTE: This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed $15,000 per unit.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING REPAIRS CONJUNCTIVE WITH FY 87 PAIP		5 PROJECT NUMBER

STATE, INSTALLATION, & PROJECT	P-722 ($000) CURRENT WORKING ESTIMATE
UNITED STATES	
ALASKA	
Eielson AFB	
Provide repairs to 88 Appropriated units (FY 50-69) - work includes removal of asbestos insulation, replacement of electrical wiring, plumbing and heating systems, kitchen and bath fixtures and cabinets, and floor coverings. (Project conjunctive with PAIP.)	2,600
ARIZONA	
Williams AFB	
Provide repairs to 250 Wherry units - work includes replacement of kitchen and bath fixtures and cabinets, lighting systems and floor coverings. (Phase 1 of 2) (Project conjunctive with PAIP.)	3,750
CALIFORNIA	
Edwards AFB	
Provide repairs to 65 Wherry and 24 Capehart - work includes replacement of roofs, windows, trim and fascia, storage sheds, and kitchen and bath fixtures and cabinets	2,142
ILLINOIS	
Scott AFB	
Provide repairs to 112 Wherry units - work includes replacement of kitchen and bath fixtures and cabinets, tile and vinyl floors, and electrical system. (Phase 1 of 2.) (Project conjunctive with PAIP.)	2,065

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4. PROJECT TITLE FAMILY HOUSING REPAIRS CONJUNCTIVE WITH FY 87 PAIP		5. PROJECT NUMBER

STATE, INSTALLATION, & PROJECT	P-722 ($000) CURRENT WORKING ESTIMATE
LOUISIANA	
Barksdale AFB	
Provide repairs to 114 Wherry units - work includes replacement of kitchen and bath fixtures and cabinets, interior and exterior doors; repair of termite damage to sub-floors and walls; and painting. (Phase 2 of 2.) (Project conjunctive with PAIP.)	1,926
NEW YORK	
Plattsburgh AFB	
Provide repairs to 29 historic units built between 1838 and 1939 - work includes repairing walls, ceilings, floors, proches, heating systems and renewing kitchens. (Project conjunctive with PAIP.)	1,999
SOUTH CAROLINA	
Shaw AFB	
Provide repair to 125 Appropriated (FY 70A) units - work includes replacing windows, floor tiles, roofs, doors, bath fixtures, light fixtures, and interior and exterior painting. (Phase 1 of 4.) (Project conjunctive with PAIP.)	2,980

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

REPAIRS CONJUNCTIVE WITH ALTERNATIVE NEW PROJECTS IN THE FY 87 PAIP (over $15,000 per unit)

As previously described in the section on Improvements, alternative new projects are included in the FY 87 PAIP. The following repairs are conjunctive with these alternative projects.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4 PROJECT TITLE FAMILY HOUSING REPAIRS CONJUNCTIVE WITH ALTERNATIVE FY87 PAIP PROJECTS

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 4,309

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects to Repair Family Housing	UN	186		4,309

10 DESCRIPTION OF PROPOSED CONSTRUCTION Projects include all work necessary to improve the livability of these units by repairing and replacing worn and deteriorated kitchen and bath cabinets; repairing/replacing/ maintaining floors, walls, and windows; repairing mechanical, electrical, and plumbing systems; replacing kitchen and bath fixtures and air conditioning systems; and repairing roof systems as required. (Continued on next page.)

11. REQUIREMENT: Requirement for Project:

PROJECT: Provides repairs in 186 units by replacing deteriorated components and/or building systems.

REQUIREMENT: Projects are required to improve the livability of older, obsolete family housing units. All projects are included in the Post Acquisition Improvement Program as concurrent repair.

CURRENT SITUATION: These units vary in age from 15 to 36 years. The facility components and utility systems are deteriorated to the extent that normal maintenance is no longer effective.

NOTE: This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed $15,000 per unit.

1. COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 86
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4. PROJECT TITLE FAMILY HOUSING REPAIRS CONJUNCTIVE WITH ALTERNATIVE FY 87 PAIP		5. PROJECT NUMBER

STATE, INSTALLATION, & PROJECT	P-722 ($000) CURRENT WORKING ESTIMATE
UNITED STATES	
ALASKA	
Elmendorf AFB	
Provide repairs to 12 Douglas units (FY 50-69) - work includes removal of asbestos insulation, replacement of electrical, plumbing and heating systems, ceilings, floors, interior doors and trim; repairing of interior walls and painting. (Project conjunctive with PAIP.)	262
SOUTH CAROLINA	
Shaw AFB	
Provide repair to 74 Appropriated (FY 70A) units - work includes replacing windows, floor tiles, roofs, doors, bath fixtures, light fixtures, and interior and exterior painting. (Phase 2 of 4.) (Project conjunctive with PAIP.)	1,764
OVERSEAS	
JAPAN	
Kadena AB	
Provide repairs to 100 Appropriated (FY 50) units - work includes replacement of kitchen and bath fixtures and cabinets, roofs, doors, tile and vinyl floors, electrical and plumbing systems. (Project conjunctive with PAIP.)	2,283

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

FY 87 REPAIR PROJECTS (over $15,000 per unit)

The following repair projects, to be accomplished from the maintenance account, will exceed $15,000 per unit.

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	4. PROJECT TITLE FAMILY HOUSING REPAIRS NON-CONJUNCTIVE

5 PROGRAM ELEMENT 88742	6 CATEGORY CODE 711-1XX	7 PROJECT NUMBER	8 PROJECT COST ($000) 18,749

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects to Repair Family Housing	UN	911		18,749

10. DESCRIPTION OF PROPOSED CONSTRUCTION Projects include all work necessary to improve the livability of these units by repairing and replacing worn and deteriorated kitchen and bath cabinets; repairing/replacing/ maintaining floors, walls, and windows; repairing mechanical, electrical, and plumbing systems; replacing kitchen and bath fixtures and air conditioning systems; and repairing roof systems as required. (Continued on next page.)

11. REQUIREMENT: Requirement for Project:

PROJECT: Provides repairs in 911 units by replacing deteriorated components and/or building systems.

REQUIREMENT: Projects are required to improve the livability of older, obsolete family housing units.

CURRENT SITUATION: These units vary in age from 15 to 50 years. The facility components and utility systems are deteriorated to the extent that normal maintenance is no longer effective.

NOTE: This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed $15,000 per unit.

U.S. G.P.O. 1984-420-979/134

1 COMPONENT AIR FORCE	FY 19$\underline{87}$ MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4. PROJECT TITLE FAMILY HOUSING REPAIRS (NON-CONJUNCTIVE)		5. PROJECT NUMBER

STATE, INSTALLATION, & PROJECT	P-722 ($000) CURRENT WORKING ESTIMATE
UNITED STATES	
CALIFORNIA	
Norton AFB	
Provide repairs to 14 Appropriated units (FY 50-69) (8 SOQ's and 6 GOQ's) - work includes replacement of floors, kitchen cabinents; repairing walls, ceilings, roofs, exterior and interior finishes, skylights and painting.	304
NORTH CAROLINA	
Pope AFB	
Provide repairs to 19 Appropriated units (PFY 50) work includes replacement of utility lines, windows, doors, porches, tile and vinyl floors, roofs, bath fixtures, garages, and removal of asbestos insulation.	741
OKLAHOMA	
Tinker AFB	
Provide repairs to 88 Appropriated Units (FY 70) - work includes replacement of bath and kitchen cabinets, plumbing fixtures, windows, floors, floor coverings, and electrical fixtures. (Phase 1 of 3.)	1,760
VIRGINIA	
Langley AFB	
Provide repairs to 75 (P50) Appropriated units - work includes replacement of roofs, kitchen and bath fixtures and cabinets, walls, flooring, doors, electrical wiring and light fixtures, and repoint exterior brick.	1,406

1977-741-130/12

1 COMPONENT AIR FORCE	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86

3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES	
4. PROJECT TITLE FAMILY HOUSING REPAIRS (NON-CONJUNCTIVE)	5. PROJECT NUMBER

STATE, INSTALLATION, & PROJECT	P-722 ($000) CURRENT WORKING ESTIMATE
OVERSEAS	
GERMANY	
Bitburg AB Provide repairs to 288 Deutschemark units - work includes replacement of tile and vinyl floors, kitchen and bath fixtures and cabinets, and electrical system and plumbing.	4,504
Hahn AB Provide repairs to 54 Deutschemark units - work includes replacement of kitchen and bath fixtures and cabinets, plumbing and electrical systems, windows, floors and wall tile, and painting.	1,050
Ramstein AB (Vogelweh) Provide repairs to 168 Deutschemark units - work includes replacement of kitchen and bath fixtures and cabinets, electrical and plumbing systems, radiators, tile floors, doors, and painting.	3,456
Rhein-Main AB Provide repairs to 84 Deutschemark units - work includes replacement of utility lines, electrical outlets, kitchen and bath cabinets and fixtures, floor tile and interior painting.	2,510
Sembach AB Provide repairs to 18 Deutschemark units - work includes replacement of tile floors, kitchen and bath fixtures and cabinets, electrical, plumbing and heating systems, and painting.	539

1 COMPONENT AIR FORCE	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 86
3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES		
4 PROJECT TITLE FAMILY HOUSING REPAIRS (NON-CONJUNCTIVE)		5. PROJECT NUMBER

STATE, INSTALLATION, & PROJECT	P-722 ($000) CURRENT WORKING ESTIMATE
GUAM	
Andersen AFB	
Provide repairs to 70 Capehart units - work includes replacement of elastomeric roofs with built-up roof systems. (Phase 4 of 4).	1,600
ITALY	
San Vito AB	
Provide repairs to 24 Appropriated (FY 50-69) units - work includes replacement of wood foundation, tile floors, electrical and plumbing systems, kitchen and bath cabinets and fixtures, and painting.	720
SPAIN	
Zaragoza AB	
Provide repairs to 9 Surplus Commodity units - work includes replacement of kitchen and bath fixtures and cabinets, plumbing and electrical systems, tile and vinyl floors, and painting.	159

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

GENERAL OFFICER QUARTERS

The following exhibits identify the FY 87 General Officer Quarters for which total Operations and Maintenance exceeds $25,000:

February 1986

GENERAL OFFICER QUARTERS REPORT - FY 87

LOCATION & PROJECT	CURRENT WORKING ESTIMATES (IMPROVE)	OPERATION	MAINT & REPAIR	TOTAL O&M
CALIFORNIA				
Edwards AFB Qtrs #5308 Utilities (3,550) routine maintenance (7,900) grounds maintenance (4,200) renovate kitchen and two baths (25,000)		3,800	42,900	46,700
COLORADO				
Lowry AFB Qtrs #251 Routine maintenance and utilities (9,700) renew bathrooms, repair roof, walls, plumbing and electrical systems (56,000)		4,900	60,800	65,700
Peterson AFB Qtrs #7481 Day-to-day maintenance and utilities (3,240) enlarge quarters to authorized size (13,100) renovate kitchen and bathrooms, replace plumbing and electrical (25,000)	(13,100)	1,520	39,800	41,320
Peterson AFB Qtrs #7483 Day-to-day maintenance and utilities (3,240) enlarge quarters to authorized size (13,100) renovate kitchen and bathrooms, replace plumbing and electrical (25,000)	(13,100)	1,520	39,800	41,320
Peterson AFB Qtrs #7485 Day-to-day maintenance and utilities (3,240) enlarge quarters to authorized size (13,100) renovate kitchen and bathrooms, replace plumbing and electrical (25,000)	(13,100)	1,520	39,800	41,320
Qtrs #7487 Day-to-day maintenance and utilities (3,240) enlarge quarters to authorized size (13,100) renovate kitchen and bathrooms, replace plumbing and electrical (25,000)	(13,100)	1,520	39,800	41,320

GENERAL OFFICER QUARTERS REPORT - FY 87

LOCATION & PROJECT	CURRENT WORKING ESTIMATES (IMPROVE)	OPERATION	MAINT & REPAIR	TOTAL O&M
COLORADO (Cont'd)				
US Air Force Academy Qtrs #6776 Routine maintenance and utilities (6,000) renew bathrooms, kitchen, repair windows, doors, roof, heating, plumbing, electrical systems, install insulation, windows (121,000)	(48,000)	3,500	76,000	79,500
FLORIDA				
MacDill AFB Qtrs #401 Addition for living room, modify kitchen and dining areas (99,000) utilities (5,000) renew bathrooms, repair air conditioning, windows, ceilings, woodwork (18,700)	(99,000)	6,000	20,000	26,000
MacDill AFB Qtrs #850 Enlarge quarters to authorized size (38,000) renew kitchen and bathrooms, replace windows, doors and heat pump (35,800) utilities (4,000)	(38,000)	4,000	37,800	41,800
MacDill AFB Qtrs #851 Enlarge quarters to authorized size (38,000) renew kitchen and bathrooms, replace windows, doors and heat pump and electrical systems (30,800) utilities (4,000)	(38,000)	4,000	32,800	36,800
MacDill AFB Qtrs #852 Enlarge quarters to authorized size (38,000) renew kitchen and bathrooms, replace windows, doors and heat pump and electrical systems (35,800) utilities (4,000)	(38,000)	4,000	37,800	41,800
MacDill AFB Qtrs #853 Enlarge quarters to authorized size (38,000) renew bathrooms, replace windows, doors and heat pump (27,600) utilities (4,000)	(38,000)	4,000	29,600	33,600
MacDill AFB Qtrs #854 Enlarge quarters to authorized size (38,000) renew bathrooms, replace windows, doors and heat pump (27,600) utilities (4,000)	(38,000)	4,000	29,600	33,600

GENERAL OFFICER QUARTERS REPORT - FY 87

	CURRENT WORKING ESTIMATES			
LOCATION & PROJECT	(IMPROVE)	OPERATION	MAINT & REPAIR	TOTAL O&M
FLORIDA (Cont'd)				
MacDill AFB Qtrs #874 Enlarge quarters to authorized size (38,000) renew kitchen and bathrooms, replace windows, doors, heat pump and electrical systems (38,700)	(38,000)	4,000	40,700	44,700
LOUISIANA				
Barksdale AFB Qtrs #2151 Routine maintenance and utilities (5,700) repair bathrooms (26,000) repaint interior and routine change of occupant repairs (5,500)		5,000	33,700	38,700
MARYLAND				
Andrews AFB Qtrs #1306-1 Point and seal brick, replace electrical system, plumbing, air conditioning and heating, repair ceiling, walls, flooring, foyer tile (53,100) day-to-day maintenance and utilities (8,000) partition furnace room, construct carport, install exterior lighting (17,900)	(17,900)	4,180	56,950	61,130
Andrews AFB Qtrs #1306-2 Point and seal brick, replace electrical system, plumbing, air conditioning and heating, repair ceiling, walls, flooring, foyer tile (53,100) day-to-day maintenance and utilities (8,000) partition furnace room, construct carport, install exterior lighting (17,900)	(17,900)	4,180	56,950	61,130
Andrews AFB Qtrs #1310-1 Point and seal brick, replace electrical system, plumbing, air conditioning and heating, repair ceiling, walls, flooring, basement stairs, foyer tile (53,100) day-to-day maintenance and utilities (9,980) partition basement, install exterior lighting, construct carport (17,900)	(17,900)	4,480	58,600	63,080

GENERAL OFFICER QUARTERS REPORT - FY 87

LOCATION & PROJECT	CURRENT WORKING ESTIMATES (IMPROVE)	OPERATION	MAINT & REPAIR	TOTAL O&M
MARYLAND (Cont'd)				
Andrews AFB Qtrs #1310-2 Point and seal brick, replace electrical system, plumbing, air conditioning and heating, repair ceiling, walls, flooring, (53,100) day-to-day maintenance and utilities (8,330) partition furnace room, construct carport, install exterior lighting (17,900)	(17,900)	4,480	56,950	61,430
Andrews AFB Qtrs #1318-1 Point and seal brick, replace electrical system, plumbing, air conditioning and heating, repair ceiling, walls, flooring, (53,100) day-to-day maintenance and utilities (10,280) partition furnace room, construct carport, install exterior lighting (17,900)	(17,900)	4,780	58,600	63,380
Andrews AFB Qtrs #1966 Repair electrical system, water and sewer lines, gutters, downspouts, fence, doors and awnings (43,200) insulate attic and stucco exterior, install central air/heat, renew bath, relocate powder room from rear of the house, reconfigure kitchen (65,300)	(65,300)	6,330	49,400	55,730
Andrews AFB Qtrs #1508 Provide hallway to rear bedroom, insulate attic and walls (27,200) day-to-day maintenance and utilities (10,550) reroof, repair electrical system, ceiling, walls, jalousie windows, doors, fence, gutters, downspouts, kitchen cabinets, sinks, air conditioner, stucco exterior (77,300)	(27,200)	5,600	82,250	87,850
TEXAS				
Randolph AFB Qtrs #300 Routine maintenance and utilities (14,800) furnishings (2,600) renew kitchen and bathrooms, add patio cover and patio, build carport and bulk storage, improve central air conditioning, electrical and plumbing systems, replace windows, doors, and gutters (57,100)	(25,000)	11,900	49,500	61,400

GENERAL OFFICER QUARTERS REPORT - FY 87

LOCATION & PROJECT	CURRENT WORKING ESTIMATES (IMPROVE)	OPERATION	MAINT & REPAIR	TOTAL O&M
TEXAS (Cont'd)				
Randolph AFB Qtrs #346 Routine maintenance and utilities (8,500) renew kitchen and bathrooms, add patio cover and patio, build carport and bulk storage, improve central air conditioning, electrical and plumbing systems, replace windows, doors, and gutters (80,000)	(44,000)	6,100	45,500	51,600
Randolph AFB Qtrs #436 Routine maintenance and utilities (9,200) renew kitchen and bathrooms, add patio cover and patio, build carport and bulk storage, improve central air conditioning, electrical and plumbing systems, replace windows, doors, and gutters (80,000)	(44,000)	6,300	47,100	53,400
Randolph AFB Qtrs #459 Routine maintenance and utilities (7,900) renew kitchen and bathrooms, add patio cover and patio, build carport and bulk storage, improve central air conditioning, electrical and plumbing systems, replace windows, doors, and gutters (80,000)	(44,000)	6,000	45,500	51,500
Randolph AFB Qtrs #602 Routine maintenance and utilities (8,600) renew kitchen and bathrooms, add patio cover and patio, build carport and bulk storage, improve central air conditioning, electrical and plumbing systems, replace windows, doors, and gutters (80,000)	(44,000)	6,400	46,400	52,800
VIRGINIA				
Langley AFB Qtrs #414 Repair woodwork (doors and trim), floors, roof, gutters, air conditioning, boiler and electrical system (72,500) modify existing kitchen area (5,000) utilities (4,000)	(5,000)	4,000	74,500	78,500

GENERAL OFFICER QUARTERS REPORT - FY 87

LOCATION & PROJECT		CURRENT WORKING ESTIMATES		
	(IMPROVE)	OPERATION	MAINT & REPAIR	TOTAL O&M
VIRGINIA (Cont'd)				
Langley AFB Qtrs #415 Repair woodwork (doors and trim), floors, roof, gutters, air conditioning, boiler and electrical system (72,500) modify existing kitchen area (5,000) utilities (4,000)	(5,000)	4,000	74,500	78,500
Langley AFB Qtrs #417 Repair woodwork (doors and trim), floors, roof, gutters, air conditioning, boiler and electrical system (72,500) modify existing kitchen area (5,000) utilities (4,000)	(5,000)	4,000	75,500	79,500
Langley AFB Qtrs #418 Repair woodwork (doors and trim), floors, roof, gutters, air conditioning, boiler, plumbing and electrical system (107,000) modify existing kitchen area (10,000) utilities (5,000)	(10,000)	5,000	109,000	114,000
Langley AFB Qtrs #421 Repair woodwork (doors and trim), floors, roof, gutters, air conditioning, boiler and electrical system (76,700) modify existing kitchen area (5,000) utilities (4,000)	(5,000)	4,000	78,700	82,700
OVERSEAS				
GERMANY				
Ramstein AB Qtrs #1010 Replace utility systems, repair exterior, basement, landscaping (31,000) routine maintenance (7,000)		5,400	38,000	43,400
Ramstein AB Qtrs #1012 Replace utility systems, repair exterior, basement, bathroom and bedrooms (45,200) routine maintenance (8,000)		5,000	53,200	58,200

GENERAL OFFICER QUARTERS REPORT - FY 87

LOCATION & PROJECT	(IMPROVE)	CURRENT WORKING ESTIMATES OPERATION	MAINT & REPAIR	TOTAL O&M
GERMANY (Cont'd)				
Ramstein AB Qtrs #1013 Replace utility systems, repair exterior, landscaping (28,000) routine maintenance (9,000)		6,700	37,000	43,700
GUAM				
Andersen AFB Qtrs #1000 Utilities (10,000) day-to-day maintenance (6,850) replace roof (20,000)		11,750	26,850	38,600
JAPAN				
Kadena AB Qtrs #164 Replace air handling system, doors, windows, bathroom fixtures, electrical wiring and fixtures, repair roof trusses and insulate air conditioning duct and ceiling area (82,900) routine maintenance (2,500) utilities (12,000)	(69,100)	13,800	16,300	30,100
Kadena AB Qtrs #4210 Replace air handling system, windows, bathroom fixtures, electrical wiring and fixtures, kitchen and utility room floor covering, construct an exterior storage shed (74,600) routine maintenance and utilities (10,500)	(62,100)	11,000	15,000	26,000
Kadena AB Qtrs #99000 Replace air handling system, windows, bathroom fixtures, kitchen and utility room floor covering, electrical wiring, weatherproof roof, construct bedroom addition, install roof insulation, enclose front porch (82,500) routine maintenance (3,500) utilities (8,000)	(68,800)	10,800	17,200	28,000

GENERAL OFFICER QUARTERS REPORT - FY 87

LOCATION & PROJECT	CURRENT WORKING ESTIMATES (IMPROVE)	OPERATION	MAINT & REPAIR	TOTAL O&M
NORWAY				
Oslo Nordraaksgate 6 Lease payment (44,000)		45,600	500	46,100
Bastadryggen 19 Lease payment (22,000)		24,500	1,000	25,500
SWITZERLAND				
Geneva Utilities (2,300) lease payment (38,000)		40,300	500	40,800
TURKEY				
Ankara Services (1,800) lease payment (21,100 utilities (8,000)		36,400	200	36,600
Izmir Qtrs 84 Lease payment (15,600) routine maintenance and utilities (10,800)		22,900	3,500	26,400
Izmir Qtrs 85 Lease payment (15,000) furnishings (17,200) routine maintenance and utilities (8,800)		37,500	3,500	41,000

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

LEASING

Program (In Thousands)

FY 1987 Program $79,776
FY 1986 Program $46,200

Purpose and Scope

This Program provides for worldwide leasing of privately owned housing and payment of the operation and maintenance costs for those units.

Domestic Leasing

Consistent with Congressional direction, the previous domestic leasing program (10 U.S.C. 2686) has been phased out. In accordance with instructions from the Office of the Secretary of Defense (OSD) in 1980, military departments were allowed to continue leases then in force until current occupants moved to new duty stations. Under these guidelines the Air Force program was reduced from over 1000 units in FY 1980 to zero at the end of FY 84.

In FY 1984, Congress authorized testing of two new leasing programs for US installations in P.L. 98-115 SECT 801 & 802. The Air Force selected two candidates for testing each leasing program. After required Congressional review and approval, a contract has been signed for the first Air Force Section 801 build/lease project for 300 units at Eielson AFB, Alaska. The second Air Force Section 801 build/lease project for 163 units at Hanscom AFB MA has been approved by Congress and is currently under contract. We have received proposals and are currently evaluating a Section 802 rental guarantee project for 300 units at Norton AFB, California. The second Air Force Section 802 project for 300 units at Goodfellow AFB TX was unsuccessful. No bidders responded to the request for proposals.

In anticipation that the Section 801 program would prove successful and become permanent, the Air Force requested additional Section 801 lease authorizations in the FY 86 President's budget. Section 801 and 802 test programs were extended for one year with 600 units authorized in FY 86.

February 1986

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

Foreign Leasing

Leasing in foreign countries is also controlled by the Congress. First by the number of lease points authorized, then by their review and approval of contract proposals, and finally by the funds appropriated.

A major challenge in proposing new build/lease initiatives is determining the cost effectiveness of build/lease versus military construction. A simple desk-top analysis satisfies a preliminary cost analysis requirement, but conclusive proof that one approach is more cost effective than the other is impacted by factors which are hard to forecast. There are too many unknowns (tax sheltering, foreign currency exchange, risk taking, etc.) involved with a foreign build/lease project to effectively estimate the cost. A more reliable method of obtaining valid cost data is to obtain actual build/lease proposals for specific locations which can then be compared with known construction costs for that area.

The Air Force, striving for valid cost estimates, initiated this procedure in FY 84 at several overseas locations using uncommitted prior year lease point authorizations. As noted on the following detailed exhibits, we have again shifted available lease points from locations where leasing was found to be impractical to new locations with critical housing shortages. This will enable the Air Force to obtain valid build/lease cost data to compare with known construction costs and select the most cost effective means of satisfying critical housing deficits.

We are requesting $74,176,000 foreign lease funding in FY 1987 for an average of 7,815 leased units. This lease funding growth occurs in Germany, Italy, Korea, the United Kingdom and the Azores.

Program Summary

Authorization is requested for:

(1) 1,063 domestic lease points, 9,200 foreign lease points, and

(2) $79,776,000 to fund leased units and related expenses as described in the following exhibits:

Family Housing, Department of the Air Force
FY 1987, Section 801 and Section 802 Family Housing Summary
(Dollars in millions)

Section 801 Housing

Location	No.of Units	FY of Initial Auth	Date of Award	Date of Full Occup	Total Annual Cost	FY 85 Units	FY 85 Costs	FY 87 Units	Approp Request
Bielson AFB, AK	300	FY 84	Jan 85	Aug 86	3.8	0	0	300	3.8
Hanscom AFB, MA	163	FY 84	Sep 85	Jun 87	1.8	0	0	163	1.8
March AFB, CA	200*	FY 87	FY 87	FY 89	2.4	0	0	0	0
Goodfellow AFB, TX	200*	FY 87	FY 87	FY 89	2.4	0	0	0	0
Castle AFB, CA	200*	FY 87	FY 87	FY 89	2.4	0	0	0	0
Total 801	1,063	N/A	N/A	N/A	12.8	0	0	463	5.6

* Off-base leasing being considered.

EXHIBIT FH-5 (Page 1 of 2)

Section 802 Housing

Location	No.of Units	FY of Initial Auth	Date of Award	Date of Full Occup	Total Annual Cost	FY 85 Units	FY 85 Costs	FY 87 Units	Approp Request
Norton AFB, CA	300	Proposal being evaluated							
Total 802	300	N/A	N/A	N/A					

EXHIBIT FH-5 (Page 2 of 2)

Family Housing
Analysis of Leased Units
(Other than Section 801 and Section 802 Units)
FY 1987

LOCATION (OAC)	FY85 LEASED UNITS	FY85 COST ($000)	FY86 UNITS REQFUND	1ST QTR 86 REQFUND	2ND QTR 86 REQFUND	3RD QTR 86 REQFUND	4TH QTR 86 REQFUND	FY86 COST ($000)	FY87 UNITS REQFUND	1ST QTR 87 REQFUND	2ND QTR 87 REQFUND	3RD QTR 87 REQFUND	4TH QTR 87 REQFUND	FY87 COST ($000)
BELGIUM	3	42.0	253	3	3	3	3	43.6	253	0	28	64	100	1,241.0
FLORENNES (80)	3	42.0	253	3	3	3	3	43.6	253	0	28	64	100	1,241.0
ATLANTIC	2	24.0	2	2	2	2	2	21.7	2	2	2	2	2	26.1
ANTIGUA (47)	1	16.0	1	1	1	1	1	14.7	1	1	1	1	1	17.4
ASCENSION (47)	1	8.0	1	1	1	1	1	7.0	1	1	1	1	1	8.7
DENMARK	4	12.0	4	4	4	4	4	64.1	4	4	4	4	4	67.4
COPENHAGEN (83)	4	12.0	4	4	4	4	4	64.1	4	4	4	4	4	67.4
GERMANY	1,762	9,774.0	3,063	1,762	1,762	1,813	1,830	11,799.4	3,063	2,280	2,550	2,760	2,870	21,041.4
BONN (80)	2	21.0	2	2	2	2	2	22.8	2	2	2	2	2	25.7
BUCHSCHLAG (65)	1	7.0	1	1	1	1	1	7.6	1	1	1	1	1	8.2
DIETZENBACH (65)	108	526.0	108	108	108	108	108	573.5	108	108	108	108	108	713.8
EGELSBACH (65)	52	274.0	52	52	52	52	52	311.1	52	52	52	52	52	377.3
GEILENKIRCHEN (80)	1	25.0	1	1	1	1	1	27.1	1	1	1	1	1	23.6
HAHN (80)	300	1,773.0	300	300	300	300	300	1,924.3	300	300	300	300	300	2,156.2
H. OLDENDORF (80)	91	446.0	91	91	91	91	91	481.3	91	91	91	91	91	539.7
KALKAR (80)	100	557.0	100	100	100	100	100	599.5	100	100	100	100	100	671.6
NIEDER-RODEN (65)	140	709.0	140	140	140	140	140	751.2	140	140	140	140	140	945.0
RAMSTEIN (80)	661	3,854.0	661	661	661	661	661	4,378.9	661	661	661	661	661	4,945.1
RAMSTEIN (80)	0	0.0	568	0	0	51	68	988.7	568	218	368	518	568	3,845.3
RAMSTEIN (80)	0	0.0	333	0	0	0	0	0.0	333	0	20	80	140	1,484.6
SPANGDAHLEM (80)	300	1,549.0	300	300	300	300	300	1,697.7	300	300	300	300	300	1,868.5
SPANGDAHLEM (80)	0	0.0	200	0	0	0	0	0.0	200	150	200	200	200	1,642.6
ZWEIBRUCKEN (80)	6	33.0	6	6	6	6	6	35.7	6	6	6	6	6	39.5
ZWEIBRUCKEN (80)	0	0.0	200	0	0	0	0	0.0	200	150	200	200	200	1,754.7

Family Housing
Analysis of Leased Units
(Other than Section 801 and Section 802 Units)
FY 1987

LOCATION (OAC)	FY85 LEASED UNITS	FY85 COST ($000)	FY86 UNITS REQFUND	1ST QTR 86 REQFUND	2ND QTR 86 REQFUND	3RD QTR 86 REQFUND	4TH QTR 86 REQFUND	FY86 COST ($000)	FY87 UNITS REQFUND	1ST QTR 87 REQFUND	2ND QTR 87 REQFUND	3RD QTR 87 REQFUND	4TH QTR 87 REQFUND	FY87 COST ($000)
GREECE	5	113.0	5	5	5	5	5	69.2	5	5	5	5	5	71.8
HELLENIKON (80)	5	113.0	5	5	5	5	5	69.2	5	5	5	5	5	71.8
ITALY	23	159.0	633	23	23	133	363	2,759.2	633	523	583	633	633	8,177.9
AVIANO (80)	3	21.0	3	3	3	3	3	21.5	3	3	3	3	3	22.5
SAN VITO (80)	20	138.0	20	20	20	20	20	142.2	20	20	20	20	20	197.6
SAN VITO (80)	0	0.0	150	0	0	0	50	45.9	150	150	150	150	150	1,959.1
COMISO (80)	0	0.0	460	0	0	110	290	2,549.7	460	350	410	460	460	5,998.7
KOREA	201	1,796.0	411	201	201	201	201	1,859.8	411	201	201	251	301	4,474.0
OSAN (74)	201	1,796.0	411	201	201	201	201	1,859.8	411	201	201	251	301	4,474.0
NETHERLANDS	190	1,427.0	190	190	190	190	190	1,274.7	190	190	190	190	190	1,537.0
CAMP NEW AMST (80)	190	1,427.0	190	190	190	190	190	1,274.7	190	190	190	190	190	1,537.0
NORWAY	2	55.0	2	2	2	2	2	58.2	2	2	2	2	2	64.3
OSLO (80)	2	55.0	2	2	2	2	2	58.2	2	2	2	2	2	64.3
PORTUGAL	0	0.0	330	0	0	0	0	0.0	330	0	44	44	44	134.8
LAJES (65)	0	0.0	330	0	0	0	0	0.0	330	0	44	44	44	134.8
SPAIN	858	8,525.0	858	858	858	858	858	8,750.1	858	858	858	858	858	9,358.8
TORREJON (80)	858	8,525.0	858	858	858	858	858	8,750.1	858	858	858	858	858	9,358.8

Family Housing
Analysis of Leased Units
(Other than Section 801 and Section 802 Units)
FY 1987

LOCATION (OAC)	FY85 LEASED UNITS	FY85 COST ($000)	FY86 UNITS REQFUND	1ST QTR 86 REQFUND	2ND QTR 86 REQFUND	3RD QTR 86 REQFUND	4TH QTR 86 REQFUND	FY86 COST ($000)	FY87 UNITS REQFUND	1ST QTR 87 REQFUND	2ND QTR 87 REQFUND	3RD QTR 87 REQFUND	4TH QTR 87 REQFUND	FY87 COST ($000)
SWITZERLAND	1	30.0	1	1	1	1	1	29.8	1	1	1	1	1	32.4
GENEVA (80)	1	30.0	1	1	1	1	1	29.8	1	1	1	1	1	32.4
TURKEY	129	1,118.0	129	129	129	129	129	1,151.7	129	129	129	129	129	1,337.3
ANKARA (80)	125	1,048.0	125	125	125	125	125	1,098.8	125	125	125	125	125	1,273.3
IZMIR (80)	4	70.0	4	4	4	4	4	52.9	4	4	4	4	4	64.0
UNITED KINGDOM	2,369	13,769.0	3,319	2,369	2,369	2,369	2,589	15,318.5	3,319	2,969	3,039	3,099	3,159	26,611.8
ALCONBURY (80)	250	1,494.0	250	250	250	250	250	1,574.4	250	250	250	250	250	1,815.3
ALCONBURY (80)	0	0.0	300	0	0	0	100	87.0	300	300	300	300	300	3,635.3
ALCONBURY (80)	0	0.0	300	0	0	0	0	0.0	300	0	20	80	140	1,296.7
BENTWATERS (80)	514	3,572.0	514	514	514	514	514	3,951.2	514	514	514	514	514	4,314.9
BENTWATERS (80)	0	0.0	300	0	0	0	100	93.2	300	250	300	300	300	3,914.3
HIGH WYCOMBE (80)	1	15.0	1	1	1	1	1	29.7	1	1	1	1	1	32.3
LAKENHEATH (80)	1,114	6,363.0	1,114	1,114	1,114	1,114	1,114	7,134.8	1,114	1,114	1,114	1,114	1,114	7,795.5
MILDENHALL (80)	63	408.0	63	63	63	63	63	440.5	63	63	63	63	63	482.2
UPPER HEYFORD (80)	327	1,513.0	327	327	327	327	327	1,548.8	327	327	327	327	327	2,238.7
UPPER HEYFORD (80)	0	0.0	50	0	0	0	20	19.4	50	50	50	50	50	606.6
WEATHERSFIELD (80)	100	404.0	100	100	100	100	100	439.5	100	100	100	100	100	440.0
	5,549	36,844.0	9,200	5,549	5,549	5,710	6,177	43,200.0	9,200	7,164	7,636	8,042	8,298	74,176.0

[1] Figures indicate total lease points.

* Other Notes: Average FY 1986 units that require funding is 5,746.
Average FY 1987 units that require funding is 7,785.
OAC codes: 47 = AFSC; 65 = MAC; 74 = PACAF; 80 = USAFE; 83 = SPACECOM

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

DEBT PAYMENT

Program (In Thousands)

FY 1987 Program $ 7,365
FY 1986 Program $15,305

Purpose and Scope

This program includes payment of mortgage principal, interest and other expenses on remaining indebtness acquired for Capehart and Wherry housing and payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel.

Program Summary

Authorization is requested for the appropriation of $7,365,000 as follows:

($ In Thousands)	FY 1985 ACTUAL	FY 1986 ESTIMATE	FY 1987 ESTIMATE
Interest and Other Expense			
Capehart	1,177	511	159
Wherry	376	189	47
Subtotal	1,553	700	206
Mortgage Insurance Premiums			
Servicemen's	408	307	250
TOTAL OBLIGATING AUTHORITY (TOA)	1,961	1,007	456
Regular Principal Payment			
Capehart	20,561	10,739	5,054
Wherry	7,569	3,559	1,855
Subtotal	28,130	14,298	6,909
TOTAL APPROPRIATION	30,091	15,305	7,365

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 1987 BUDGET REQUEST

Serviceman's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums; Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and their families through a system of FHA mortgage insurance specially designed to assist such members in financing the construction or purchase of homes.

Public Law 93-130 (Military Construction Appropriation Act, 1980) appropriated funds to cover only ongoing servicemen's insurance premiums. The amount needed to continue funding premiums on mortgages existing prior to FY 80 continues to decrease. The program for FY 86 and FY 87 is as follows:

Fiscal Year	Number	Average Payment ($)	Amount ($000)
1985	1990	205	408
1986	1500	204	307
1987	1380	190	250

February 1986

AIR NATIONAL GUARD

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU

AIR NATIONAL GUARD

FY 1987
MILITARY CONSTRUCTION PROGRAM

Justification Data Submitted to Congress
February 1986

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987

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SUMMARY PROJECT LIST
DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM--FY 1987
(Dollars in Thousands)

STATE/COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT	DD FORM 1391 PAGE NO.
	INSIDE THE UNITED STATES		
Arkansas	Fort Smith MAP		
	Add/Alter Jet Fuel Storage Complex	570	b-3
	SUBTOTAL	570	
Arizona	Tucson IAP		
	Composite Aircraft Maintenance Facilities and Parking Apron	12,440	b-7
	SUBTOTAL	12,440	
California	Point Mugu NAS		
	ANG Operations and Training Complex - Phase I	19,700	b-11
	SUBTOTAL	19,700	
Florida	Jacksonville IAP		
	Fire Suppression System	750	b-15
	MacDill AFB		
	Communications-Electronics Training Complex	4,700	b-19
	SUBTOTAL	5,450	
Georgia	Dobbins AFB		
	Add/Alter Aircraft Maintenance Buildings - Phase I	6,000	b-23
	St. Simons Island		
	Communications-Electronics Training Complex	5,000	b-27
	SUBTOTAL	11,000	
Hawaii	Barking Sands ANGS		
	Add/Alter Communications-Electronics Training Complex	2,000	b-31
	SUBTOTAL	2,000	

STATE/COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT	DD FORM 1391 PAGE NO.
Idaho	Boise Air Terminal		
	Base Supply/Equipment Warehouse	2,600	b-35
	SUBTOTAL	2,600	
Illinois	O'Hare IAP		
	ANG/AFRES Medical Training Facility	800	b-39
	Gtr Peoria APT		
	Site Preparation Phase I	4,000	b-43
	SUBTOTAL	4,800	
Kansas	McConnell AFB		
	Add/Alter Base Supply Complex	1,500	b-47
	Addition to Engine Shop	500	b-49
	SUBTOTAL	2,000	
Massachusetts	Otis ANGB		
	Alter Avionics/PMEL Facility	3,000	b-53
	SUBTOTAL	3,000	
Mississippi	Allen C. Thompson FLD		
	Add/Alter Engine/Avionics Shops	1,300	b-57
	Gulfport ANG FTS		
	Jet Fuel Storage Complex	4,250	b-61
	SUBTOTAL	5,550	
Missouri	Rosecrans Memorial APRT		
	Addition to Squadron Operations Facility	1,200*	b-66
	SUBTOTAL	1,200	
New Jersey	Atlantic City ARPT		
	Avionics Shop	2,060	b-71
	Composite Aircraft Maintenance Complex	3,600	b-73
	McGuire AFB		
	Munitions Maintenance and Storage Facility	1,200	b-78
	Base Supply Warehouse	3,000	b-80
	SUBTOTAL	9,860	

STATE/COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT	DD FORM 1391 PAGE NO.
New York	Stewart ARPT		
	Composite Maintenance Facility/ Supply Complex	10,150	b-84
	SUBTOTAL	10,150	
Ohio	Springfield MAP		
	Water/Sewer Lines	1,100	b-88
	SUBTOTAL	1,100	
Oregon	Portland IAP		
	Base Supply Administration and Warehouse Facility	4,600	b-92
	SUBTOTAL	4,600	
Rhode Island	Smithfield ANGS		
	Communications-Electronics Training Facility - Phase I	2,400	b-97
	SUBTOTAL	2,400	
South Carolina	McEntire ANGB		
	Munitions Maintenance & Storage Facility	1,600	b-102
	SUBTOTAL	1,600	
South Dakota	Joe Foss FLD		
	Jet Fuel Storage Complex	2,500	b-106
	SUBTOTAL	2,500	
West Virginia	Martinsburg		
	Shortfield Runway	2,500	b-110
	SUBTOTAL	2,500	
Wisconsin	Truax FLD		
	Composite Squadron Operations	2,200	b-114
	Add to Aircraft Engine Shop	900	b-116
	SUBTOTAL	3,100	
Various Locations	Projects $400,000 and Under	5,947	b-118

VARIOUS LOCATIONS	PROJECTS $400,000 AND UNDER	AUTH/APPROP AMOUNT	DD FORM 1391C PAGE NO.
	INSIDE THE UNITED STATES		
California	Moffett NAS (ANG)		
	Aircraft Parking Apron Shoulder	160	b-119
	SUBTOTAL	160	
Florida	Jacksonville IAP		
	Add/Alter Aircraft Engine Shop	360	b-119
	Special Fuels Facility	240	b-119
	SUBTOTAL	600	
Hawaii	Keaukaha Military Reservation		
	Mobility Storage Facility	180	b-119
	SUBTOTAL	180	
Idaho	Boise		
	Dining Hall	150	b-120
	Airman Dormitory	320	b-120
	SUBTOTAL	470	
Illinois	Capital		
	Aircraft Apron Security lighting	120	b-120
	SUBTOTAL	120	
Iowa	Des Moines		
	LANA Pod Maintenance Area	360	b-121
	SUBTOTAL	360	
Kansas	Forbes Field		
	Alter Operations & Training Facility	172	b-121
	SUBTOTAL	172	
Massachusetts	Otis AGB		
	Alter Aircraft Engine Shop	210	b-121
	SUBTOTAL	210	
Maryland	Andrews AFB		
	Alter Aircraft Maintenance Shop	300	b-122
	SUBTOTAL	300	
Missouri	Rosecrans Memorial Aprt		
	Add to Support Equipment Shop	180	b-122
	St. Louis		
	Mobility Storage Warehouse	350	b-122
	SUBTOTAL	530	

VARIOUS LOCATIONS	PROJECTS $400,000 AND UNDER	AUTH/APPROP AMOUNT	DD FORM 1391C PAGE NO.
Montana	Great Falls IAP Special Fuels Facility	190	b-123
	SUBTOTAL	190	
Nebraska	Lincoln Add/Alter Flightline Maintenance Shop	160	b-123
	SUBTOTAL	160	
New Jersey	Atlantic City Aprt Add/Alter Fuel Cell Maintenance	350	b-123
	SUBTOTAL	350	
New Mexico	Kirtland LANA Pod Maintenance Shop	360	b-123
	SUBTOTAL	360	
New York	Hancock Field Mobility Storage Warehouse	170	b-124
	SUBTOTAL	170	
Ohio	Rickenbacker AGB Alter AGE Maintenance Shop	160	b-124
	Toledo Express Aprt Add to Fire Station	250	b-124
	SUBTOTAL	410	
Oklahoma	Tulsa IAP Add to ECM Pod Maintenance Shop	220	b-125
	SUBTOTAL	220	
Oregon	Kingsley Field Alter Parachute and Dinghy Shop	250	b-125
	SUBTOTAL	250	
Texas	Ellington Field Alter Weapons and Release Shop	224	b-125
	Kelly AFB Jet Blass Deflector	125	b-125
	SUBTOTAL	349	
Wisconsin	Truax Field Alter Base Engineer Maintenance Shop	386	b-126
	SUBTOTAL	386	
	GRAND TOTAL ($400,000 & Under)	$5,947	

STATE/COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT	DD FORM 1391 PAGE NO.
Various Locations	(Unspecified)		
	Power Check Pads w/Suppressor	4,000	b-127
	Aircraft Arresting Systems	1,700	b-128
	Flight Simulator Facilities	2,683	
	SUBTOTAL	14,430	
	SUBTOTAL—Inside the United States	122,450	
	OUTSIDE THE UNITED STATES		
	None		
SUPPORT	Architectural & Engineering Services and Construction Design	15,420	b-131
	Minor Construction	2,130	b-133
	SUBTOTAL-SUPPORT	17,550	
	GRAND TOTAL - Authorization/ Appropriation	140,000	

*Project was authorized in FY85 but due to $10.0M unspecified appropriation reduction by Congress, project funding was not available.

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987

APPROPRIATION

MILITARY CONSTRUCTION, AIR NATIONAL GUARD

SECTION 1

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contribution therefore, as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization Acts, $140,000,000 ($121,250,000) to remain available until September 30, 1991. (September 30, 1990)

SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

( ) indicates FY 86 appropriation language.

3830f

Mil. Con., Air National Guard
Program and Financing (In Thousands of dollars) | SUMMARY

04 Feb 86

TPGE 1025

Identification code 57-3830-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction	92,100	106,950	122,450	102,129	110,175	122,153
00.0201 Minor construction	7,900	4,700	2,130	7,904	6,717	2,604
00.0301 Planning	11,200	9,600	15,420	10,396	13,254	13,558
10.0001 Total	111,200	121,250	140,000	120,429	130,146	138,315
Financing:						
17.0001 Recovery of prior year obligations				-20		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-111,956	-102,582	-93,686
21.4007 Reprograming from/to prior year budget pla	-165					
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				102,582	93,686	95,371
25.0001 Unobligated balance lapsing	165			165		
40.0001 Budget authority (Appropriation)	111,200	121,250	140,000	111,200	121,250	140,000
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				120,429	130,146	138,315
72.4001 Obligated balance, start of year				97,539	117,849	138,092
74.4001 Obligated balance, end of year				-117,849	-138,092	-173,737
77.0001 Adjustments in expired accounts				-239		
78.0001 Adjustments in unexpired accounts				-20		
90.0001 Outlays				99,861	109,903	102,670

3830f

Mil. Con., Air National Guard
Object Classification (in Thousands of dollars) SUMMARY

04 Feb 86

TPGE 1026

Identification code 57-3830-0-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Other services:			
125.003	Contracts	9,121	11,755	13,458
132.001	Lands and structures	103,622	109,391	107,857
199.001	Total Direct obligations	112,743	121,146	121,315
	Allocation Accounts			
	Other services:			
325.003	Contracts	1,256	1,500	2,600
332.001	Lands and structures	6,430	7,500	14,400
399.001	Total Allocation Accounts	7,686	9,000	17,000
999.901	Total obligations	120,429	130,146	138,315
	Obligations are distributed as follows:			
	Defense-Military:Army	134	200	200
	Defense-Military:Navy	7,552	8,800	16,800
	Defense-Military:Air Force	112,743	121,146	121,315
	Total Obligations	120,429	130,146	138,315

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss of degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11900.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-400, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, stucture, object or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

Environmental Protection

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Reserve Manpower Potential

The reserve manpower potential to meet and maintain authorized strenghts of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

1 COMPONENT ANG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION ANG Training Facility, Fort Smith MAP, AR		4 AREA CONSTR COST INDEX .89

5 FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual training per year, daily use by technician force, and for training.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

2 Army National Guard, 1 Army Reserve, 1 Naval Reserve

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
124-135	ADAL Jet Fuel Storage Complex	LS	570	Jun 84	Apr 85
211-153	NDI Shop	2,400 SF	350	Mar 84	Apr 85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

May 85
(Date)

Unilateral Construction

9 LAND ACQUISITION REQUIRED

None
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
41001	Flight Simulator Facility	1,100
40993	Munitions Maint/Training/Storage	1,600
40997	Avionics/ECM Pod Shop/Storage	1,300
41272	Alter Hangar - Energy Conservation	1,000

1 COMPONENT		2 DATE
ANG	**FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION**	1 JAN 86

3 INSTALLATION AND LOCATION

ANG TNG FACILITY, MAP, FT SMITH, ARKANSAS

11 PERSONNEL STRENGTH AS OF 1 APR 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	276	8	39	229	932	122	810
ACTUAL	267	8	39	220	795	116	679

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
188 TAC Fighter Group	42	37
184 TAC Fighter Squadron	74	66
188 Res Mgt Sq	120	111
188 Combat Spt Sq	96	78
188 Consolidated Acft Maint Sq	370	303
188 TAC Clinic	27	25
188 Comm Flt (Spt)	19	19
188 Weapons Sys Sec Flt	48	44
188 Civil Engrg Flt	136	112
	932	795

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-4C	18	20
Support Equipment	77	72
Vehicle Equivalents	162.3	209.3

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 19_87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION ANG TNG FACILITY, MAP, FT SMITH, ARKANSAS	4 PROJECT TITLE Add/Alter Jet Fuel Storage Complex

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 126-925	7 PROJECT NUMBER 40684	8 PROJECT COST ($000) 570

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD/ALTER POL SYSTEM	GA	50,000	8.00	400
SUPPORTING FACILITIES				117
Electric	LS			(38)
Water Supply/Fire Hydrants	LS			(9)
Pavement	SY			(34)
POL/Water Separator System	LS			(11)
Pump Stand/Control House	LS			(25)
SUBTOTAL				517
CONTINGENCY (5%)				26
TOTAL CONTRACT COST				543
SUPERVISION INSPECTION & OVERHEAD (5%)				27
TOTAL REQUEST				570

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Two additional horizontal steel tanks with polyurethane lining manifolded with the six existing tanks; oil/water separator system; two new 600-gpm fill stands; concrete area paving; pump stand and control house; new underground electric service and pad-mounted transformer; manual fire alarm pull stations; new unloading pumps (250 gpm each), and area lighting.

11. REQUIREMENT: 200,000 GA; ADEQUATE: 150,000 GA; SUBSTANDARD: 0 GA

PROJECT: Construction of this project will provide the 188th TFG with th storage capacity to support the PAA flying requirements of both ORI surges and day-to-day consumption.

REQUIREMENT: The facility scope of this project will bring the existing storage system up to that authorized and required.

CURRENT SITUATION: The current facility has 6-25,000 gallon above ground horizontal steel tanks with 2 pumps of 225 gpm each for both loading and unloading of R-5/R-9 refueling trucks and commercial tractor-trailer trucks. All tanks are manifolded together with a single 4" line which feeds to the two pumps.

IMPACT IF NOT PROVIDED: The unit mission readiness effort will be degraded by the inability to practice and accomplish ORI surges and to perform at an increased flying sortie rate. If this project is not provided, fuel support will continue to be restricted by both storage capacity and unload/refill times for resupply.

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

ANG TNG FACILITY, MAP, FT SMITH, ARKANSAS

4 PROJECT TITLE	5 PROJECT NUMBER
Add/Alter Jet Fuel Storage Complex	40684

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started	Jun 85
(b)	Percent Complete as of Jan 86	100
(c)	Percent Complete as of Oct 86	100
(d)	Date Design Complete	Apr 85

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used: N/A

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

		($000)
(a)	Production of Plans & Specifications	50
(b)	All Other Design Costs	57
(c)	Total	107
(d)	Contract	107
(e)	In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT
ANG

FY 19^87 GUARD AND RESERVE MILITARY CONSTRUCTION

2 DATE
1 JAN 86

3 INSTALLATION AND LOCATION
162 TFG Tucson International Airport Tucson AZ

4 AREA CONSTR COST INDEX
1.10

5 FREQUENCY AND TYPE OF UTILIZATION

Two Unit Training Assemblies per month, 15 days Annual Field Training per year, daily use (0400-2330) by Technician Force and for Pilot Training

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

- 1 USAF Unit, Davis Monthan AFB
- 1 Naval/Marine Reserve Unit
- 1 Army Reserve Unit
- 1 Air Force Reserve Unit
- 1 Army National Guard Unit

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-157	Composite Aircraft Fac	LS	12,440	2/85	9/86
211-152	and Parking Apron				
113-321					
211-179					
812-225					

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

APPROVED

23 Jan 85
(Date)

9 LAND ACQUISITION REQUIRED The final deed for a Land Exchange Agreement is expected to be signed by SAF/MII by Apr, 86.

87.1
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST($000)
40881	Add Avionics/Relocate AGE	1,600
40875	Flight Sim/Acad Fac/Squad Ops	4,417
41099	Composite Aircraft Maint Hangar	6,000
40886	Veh Maint/Ref Veh Sh/ADAL Bldg 27	2,300

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION

162 TFG, Tucson International Airport, Tucson AZ

11. PERSONNEL STRENGTH AS OF

2 AUG 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	570	16	57	497	1149	115	1034
ACTUAL	569	16	54	499	1169	112	1057

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
162 Consolidated Aircraft Maintenance Squadron	536	548
162 TFG Headquarters Squadron	68	70
152 Tactical Fighter Squadron	21	22
195 Tactical Fighter Squadron	23	23
162 Civial Engineering Flight	137	136
162 Communications Flight	39	38
162 Resource Management Squadron	131	142
162 Combat Support Squadron	131	127
162 Tactical Clinic	51	52
ANG/AFRES Fighter Wpns Office	12	11
	1,149	1,169

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-7 D/K	42	36
F-16 A/B FY 86	24	0
C-131	1	1

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION 162 Tucson IAP, Tucson, AZ	4 PROJECT TITLE Composite Aircraft Maintenance Facilities and Parking Apron

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 211-157	7 PROJECT NUMBER 40882	8 PROJECT COST ($000) 12,440

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Composite Aircraft Maintenance Facilities and Parking Apron	LS			7,936
Add to Aircraft Parking	SY	(48,400)	(85)	(4,114)
Fuel Systems Maintenance Dock	SF	(17,000)	(84)	(1,428)
A/C Engine Inspection & Repair/NDI	SF	(27,541)	(75)	(2,066)
ADAL Bldg 30/Hangar 9	SF	(8,199)	(40)	(328)
Supporting Facilities				3,348
Site Improvement				(221)
Drainage				(1,200)
Utilities				(1,205)
Paved Access				(222)
Roads/Parking/Walks/Lighting				(500)
Subtotal				11,284
Contingency (5%)				564
Contract Cost				11,848
Supervision, Inspection & Overhead (5%)				592
Total Request				12,440

10 DESCRIPTION OF PROPOSED CONSTRUCTION A concrete parking apron addition and last chance area; a two-bay, steel frame fuel systems maintenance hangar; a steel frame engine inspection and repair facility (to include a non-desctructive inspection shop); alteration of the old engine shop for weapons release and gun maintenance/storage; addition to Bldg 30 for welding and machine shop; conversion of Bldg 30 into a tire repair shop; and alteration of space in Hangar 9 to accommodate the sheet metal, egress, environmental, survival equipment and pneudraulics shops. Site preparation to include necessary utility trunks for water, gas, sewer, and communications facility hook-ups. Project also includes an upgrade of the base electrical distribution system from 4KW to 15KW, a new entry gate, a realigned perimeter road, access roads, and additional POV parking.

11. REQUIREMENT LS ADEQUATE: 0 SUBSTANDARD: 8,199 SF

PROJECT: Supports 24 additional (F-16) aircraft arriving in FY 86. These are the priority projects. Remaining requirement is addressed in FY 88.

REQUIREMENT: Unit will have a dual training mission. Fuel systems, engine, and avionics maintenance requirements for dissimilar aircraft requires an increase in facility support. Increased aircraft parking space is required and the last change area on Runway 11L must be relocated due to an airport authority project which will displace the threshold.

CURRENT SITUATION: Necessary shop space and ramp parking to support the 24 additional aircraft and personnel does not exist.

IMPACT IF NOT PROVIDED: A site survey determined additional space would be required to support the dual mission. Without these facilities and the additional required space, the unit will be unable to support the new F-16 mission.

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

162 TFG Tucson International Airport Tucson AZ

4. PROJECT TITLE Composite Aircraft Facilities and Parking Apron	5. PROJECT NUMBER 40882

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Feb 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Sep 86

(2) Basis:

(a) Standard of Definitive Design YES X No ___

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	370
(b) All Other Design Costs	171
(c) Total	541
(d) Contract	541
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 86

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Point Mugu NAS (ANG), CA		4 AREA CONSTR COST INDEX 1.28

5 FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies (UTA) per month, 15 days annual field training (AT) per year, daily use by technicians/AGR force and for training.

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Pacific Missile Test Center (PMTC), NAS PT. MUGU
Naval Construction Battalion Ctr, Port Hueneme (Marine Corps Reserve Training Center; Reserve Naval Mobile Const Batl 17)
USAR Training Ctr, Ventura (Btry "A" 1st BN 144 Field Arty)
Btry "C" 1st BN 144 Field Arty, Oxnard

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113-121	ANG Operations and Training Complex-Phase I	LS	19,700	8/85	9/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for Unilateral Construction

15 Aug 85
(Date)

9 LAND ACQUISITION REQUIRED

Acquisition authorized and funds appropriated in FY 86 MILCON

250
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
41104	Composite Operations & Training Fac	4,100
41105	Composite Support Facility	2,900
41106	Fuel Sys Maint/Corrosion Control Hangar	3,800
41107	Composite Aircraft Maintenance Hangar	12,500
41108	Aircraft Engine I&R/Prop Shop	1,700
41109	Aerial Port Training Facility	2,600
41110	Base Engr Maintenance Facility	1,600
42111	Base Supply Admin & Warehouse	4,400
41112	Vehicle Maint/Refueler Maint	1,300
41113	AGE Maintenance/Storage Shop	500
41114	Site Preparation-Phase II	1,000
41017A	Composite Squadron Ops-Phase II	2,070
41016C	POL Complex	6,490

1 COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION
POINT MUGU NAS (ANG), CALIFORNIA

11 PERSONNEL STRENGTH AS OF 30 APRIL 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	375	27	345	3	1412	254	1158
ACTUAL	345	27	315	3	1408	233	1175

12 RESERVE UNIT DATA *

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
146th Tactical Airlift Wing	64	64
115th Tactical Airlift Squadron	187	187
146th Aeromedical Evacuation Squadron	144	144
146th Consolidated Aircraft Maintenance Squadron	358	361
146th Combat Support Squadron	98	101
146th Tactical Hospital	59	56
146th Tactical Hospital/OL	5	5
562nd Air Force Band	35	32
146th Civil Engineering Flight	85	85
146th Mobile Aerial Port Squadron	180	173
146th Weapons Systems Security Flight	32	37
195th Weather Flight	13	15
146th Resource Management Squadron	133	128
146th Communications Flight	19	20
	1412	1408

*Personnel currently located at Van Nuys are to be relocated upon completion of the facilities at Point Mugu.

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130 Aircraft	16	16
Support Equipment	72	60
Vehicle Equivalents	252.7	252.7

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Point Mugu NAS (ANG), CA	ANG Operations and Training Complex - Phase I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55294F	113-121	41016	19,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANG OPERATIONS & TRAINING COMPLEX-PHASE I	LS			17,869
Aircraft Parking Apron	SY	(48,000)	(208)	(10,000)
Access Taxiway	SY	(9,700)	(206)	(2,000)
Site Preparation	LS			(2,327)
Composite Squadrons Ops - Phase I	SF	(23,000)	(104)	(2,392)
Flightline Maintenance Facility	SF	(12,015)	(96)	(1,150)
SUBTOTAL				17,869
CONTINGENCY (5%)				893
TOTAL CONTRACT COST				18,762
SUPERVISION, INSPECTION & OVERHEAD (5%)				938
TOTAL REQUEST				19,700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A portland cement concrete parking apron for thirteen C-130E aircraft with concrete access taxiway connecting the new parking apron with Pt. Mugu NAS runway; a composite operations facility and flightline maintenance facility. Buildings constructed with concrete foundations and floor slab, structural steel framing, masonry and concrete walls, and built-up and metal roofing. Site preparation to include roads, parking, and utility systems. Functional areas within the composite operations and flightline maintenance facilities include squadron operations (Phase I), flight simulator training, ALCE, and aircraft support and maintenance functions.

AIR CONDITIONING: 0

11. REQUIREMENT: LS ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: This is the first phase in the construction of a new Composite Operations and Training Complex. The last phase is scheduled in FY88, and completes the complex at a total cost of approximately $56.6 million.

REQUIREMENT: Aircraft parking apron, taxiway, composite squadron operations (Phase I), and flightline operational capability for the relocation of the 146 TAW to Point Mugu NAS, CA.

CURRENT SITUATION: The 146 TAW is now located at the Van Nuys CA Airport; however, the facilities at Van Nuys must be returned to the Los Angeles Airport Authority beginning 30 June 1988. The facilities in this program replace those at Van Nuys that must be vacated by 30 June 1988. The remainder of the 146 TAW facilities at Van Nuys Airport must be vacated by 30 June 1989, and will be replaced in a Phase II program.

IMPACT IF NOT PROVIDED: The 146 TAW will not be able to perform its assigned mission.

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION POINT MUGU NAS (ANG), CALIFORNIA		
4. PROJECT TITLE ANG Operations and Training Complex - Phase I		5. PROJECT NUMBER 41016

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started	Aug 85
(b)	Percent Complete as of Jan 86	35
(c)	Percent Complete as of Oct 86	100
(d)	Date Design Complete	Sep 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

		($000)
(a)	Production of Plans & Specifications	400
(b)	All Other Design Costs	500
(c)	Total	900
(d)	Contract	900
(e)	In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

Jacksonville IAP, Florida

4 AREA CONSTR COST INDEX

.90

5 FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies per month, 15 days Annual Field Training per year, daily use by technician force and for training.

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

4 Army National Guard, 3 Army Reserve Centers.
1 Coast Guard Reserve, 1 Marine Reserve
3 Naval Reserve.

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
880-232	Fire Suppression System	LS	750	8/84	11/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for Unilateral Construction

24 Jan 85
(Date)

9 LAND ACQUISITION REQUIRED

None

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

Project		Cost ($000)
40220	Munitions Maint/Storage Facility	3,000
40641	Flight Simulator Facility	900
40274	ADAL Medical Training and Admin Facility	800
40642	Arm/Dearm Aprons	1,000

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION

Jacksonville IAP. FL

11. PERSONNEL STRENGTH AS OF 31 JUL 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	320	23	297	0	967	106	861
ACTUAL	320	23	297	0	839	92	747

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
0125 CEQ FT	116	102
0125 CLI	39	34
0125 CLM FT	408	361
0125 CMM FT	24	20
0125 COS SQ	88	71
0125 FIM	46	38
0125 RMS SQ	120	98
0125 SEP	81	72
0159 FIM	45	37
8125 STU FT	0	6
Total	967	839

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-106	22	22
T-33	4	4
C-131	1	1
Support Equipment	93	93

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION JACKSONVILLE, FLORIDA	4. PROJECT TITLE Fire Suppression System

5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 880-232	7. PROJECT NUMBER 40033	8. PROJECT COST ($000) 750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE SUPPRESSION SYSTEM	LS			680
CONTINGENCY (5%)				34
TOTAL CONTRACT COST				714
SUPERVISION, INSPECTION & OVERHEAD (5%)				36
TOTAL REQUEST				750

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install a fire detection, alarm, and AFFF suppression system. Work includes installation of automatic detection and manual pull-box stations; an alarm receiving/recording central console with remote annunciation; a foam fire suppression system; and provides for necessary fire hydrants, watermain upgrades and water supply reservoir. Work also provides necessary power and controls.

11. REQUIREMENT: LS ADEQUATE: N/A SUBSTANDARD: N/A

PROJECT: Provide fire detection/suppression system for ANG maintenance and support facilities.

REQUIREMENT: The high value of equipment used by the ANG in day-to-day operations and training warrants adequate fire detection and suppression to preclude loss due to fire.

CURRENT SITUATION: ANG maintenance and support facilities are not adequately protected from fire. In some buildings, fire can be undetected until a full involvement occurs, causing greater loss.

IMPACT IF NOT PROVIDED: Current conditions are conducive to extensive loss and damage of aircraft, equipment, buildings, and life. Any such loss could severely impair mission capability.

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION Jacksonville IAP. FL		
4. PROJECT TITLE Fire Suppression System		5. PROJECT NUMBER 40033

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Aug 84
(b) Percent Complete as of Jan 86	100
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Nov 85

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	23
(b) All Other Design Costs	19
(c) Total	42
(d) Contract	42
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT
ANG

FY 1987 GUARD AND RESERVE
MILITARY CONSTRUCTION

2 DATE
1 JAN 86

3 INSTALLATION AND LOCATION
290th Combat Communications Squadron, MacDill AFB, Florida

4 AREA CONSTR COST INDEX
.82

5 FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by technician force and for training.

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

1 Air Force Base, 1 Air Force Reserve, 1 Naval Reserve, 1 Marine Reserve, 1 Seabee Reserve, 1 Coast Guard Reserve, 1 Army Reserve, 10 Army National Guard.

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
131-111	Comm-Elect Training Compl	LS	4,700	2/84	8/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

24 Jan 85
(Date)

Unilateral Construction

9 LAND ACQUISITION REQUIRED
None
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT	COST ($000)

No major construction projects planned at this time.

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE JAN 86

3 INSTALLATION AND LOCATION

290th COMBAT COMMUNICATIONS SQUADRON, MacDill AFB, Florida

11 PERSONNEL STRENGTH AS OF 2 Dec 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	21	3	18	0	191	9	182
ACTUAL	21	3	18	0	137	6	131

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
290th Cmbt Comm Sq	191	137

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE		AUTHORIZED	ASSIGNED
Support Equipment	N/A		

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION 290th COMBAT COMMUNICATIONS SQUADRON (ANG) MACDILL AFB, FLORIDA	4 PROJECT TITLE COMMUNICATIONS-ELECTRONICS TRAINING COMPLEX

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 131-111	7 PROJECT NUMBER 40034	8 PROJECT COST ($000) 4,700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATIONS-ELECTRONICS TRAINING COMPLEX	LS			2739
Communication-Electronic Training Facility	SF	(19,800)	90	(1782)
Automotive Maintenance/Support Equip Shop	SF	(13,668)	70	(957)
SUPPORTING UTILITIES	LS			345
Electrical	LS			(197)
Water/Sewer	LS			(91)
Gas	LS			(57)
SITE PREPARATION	LS			1158
Roads/Parking	LS			(389)
Site Improvement/Fence	LS			(588)
Storm Drainage/Grading	LS			(181)
SUBTOTAL				4242
Contingency (5%)				223
TOTAL CONTRACT COST				4465
Supervision, Inspection & Overhead (5%)				235
TOTAL REQUEST				4700

10 DESCRIPTION OF PROPOSED CONSTRUCTION

A Communications-Electronics Training Complex with masonry walls, concrete foundation, concrete floor slab, and built-up roof, including necessary electrical, mechanical, and structural systems to provide a complete complex. Functional areas include squadron operations, supply, medical, communications maintenance, food service, administration, mobility storage, automotive/equipment maintenance, parts and tool storage, lockers. Project also provides access roads, vehicle/equipment parking, site improvements and perimeter fence.

AIR CONDITIONING: 68 TONS

11. REQUIREMENT: 33,468 SF ADEQUATE: -0- SUBSTANDARD: -0-

PROJECT: Construction of a new Communications-Electronics Training Complex in support of the 290th Combat Communications Squadron.

REQUIREMENT: This facility is required to provide an adequate operation and training complex for a Combat Communications Squadron with 196 personnel. Space is required for operations and technical training, electronic repair shops, automotive/equipment maintenance shops, administration, supply and mobility storage, and vehicle/equipment parking.

CURRENT SITUATION: The unit is operating out of a 5,000 SF, temporary facility, which will be returned upon completion the complex. Existing facilities do not provide adequate space for operations, training, repair or maintenance of vehicles and equipment, nor do they provide secure storage of mobility equipment or supplies.

IMPACT IF NOT PROVIDED: Unit will be unable to train for its primary combat mission or properly maintain critical equipment. Space limitation has stalled member recruitment and degraded unit readiness.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE JAN 86

3 INSTALLATION AND LOCATION

290th COMBAT COMMUNICATIONS SQUADRON, MacDill AFB, Florida

4 PROJECT TITLE Communications-Electronics Training Complex	5 PROJECT NUMBER 40034

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Feb 84
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Aug 86

(2) Basis:

(a) Standard of Definitive Design YES X NO __
(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	181
(b) All Other Design Costs	50
(c) Total	231
(d) Contract	231
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided fro
other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

PREVIOUS EDITIONS MAY BE USED INTERNALLY [illegible]

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION	4 AREA CONSTR COST INDEX
Dobbins, AFB (ANG), Georgia	.94

5 FREQUENCY AND TYPE OF UTILIZATION

Eight unit training assemblies per month, 15 days annual field training per year, daily use on two shifts by technician force and training.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

1 Air Force Reserve facilities, 2 Army National Guard Armories, 1 Army Reserve facilities, 1 Naval and 1 Marine Reserve facilities.

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-445	Add/Alter Aircraft Maintenance Bldgs-Phase I	LS	6,000	4/85	7/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction

5 Mar 85
(Date)

9 LAND ACQUISITION REQUIRED

None

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40719	ADAL Veh Maint/Base Supply Complex	1,900
41089	ADAL Aircraft Maint Bldgs - Phase II	2,300
41128	Medical Training & Admin Facility	1,100

1. COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

Dobbins AFB, (ANG), Georgia

11. PERSONNEL STRENGTH AS OF 15 MAY 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	321	25	291	5	1133	152	981
ACTUAL	312	25	282	5	1100	135	965

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
116 TFW	56	52
116 CSS	96	98
116 TH	52	43
128 TFS	85	77
116 CAMS	496	484
116 RMS	128	127
116 WSSF	48	49
116 CEF	94	91
530 AF Band	35	37
116 CF	43	42
TOTAL	1133	1100

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-4D	24	21
F-15 A/B	24	-0-

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Dobbins AFB (ANG), Georgia	4 PROJECT TITLE ADD/ALTER AIRCRAFT MAINT BLDGS-PHASE I

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 171-445	7 PROJECT NUMBER 40007	8 PROJECT COST ($000) 6000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD/ALTER AIRCRAFT MAINTENANCE BLDGS-PHASE I	LS			5050
Alter Building 838	LS			(3970)
Construct BCE Maintenance Facility	SF	(16,900)	(64.00)	(1080)
SUPPORTING FACILITIES	LS			380
Electric	LS			(45)
Water Sanitary Sewer	LS			(36)
Site Improvement	LS			(195)
Roads, Parking, and Walks	LS			(104)
SUBTOTAL				5430
CONTINGENCY (5%)				270
TOTAL CONTRACT COST				5700
SUPERVISION, INSPECTION & OVERHEAD (5%)				300
TOTAL REQUEST				6000

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Alter existing aircraft maintenance hangar/support facility, Bldg 838. Includes relocation of walls, alteration and upgrade of electrical system to include an AFFF fire suppression system. Construct a BCE maintenance facility with concrete foundation and floor slab, steel frame, masonry walls, and built-up roof. AIR CONDITIONING: 120 TONS

11. REQUIREMENT: LS 123,321 SF ADEQUATE: 21,600 SF SUBSTANDARD: 84,821 SF

PROJECT: Alter existing aircraft maintenance hangar/support facility, Building 838, and construct a BCE maintenance facility. The last phase scheduled for FY 88, at a cost of approximately $2.5 million, will construct a composite support facility for the non-aircraft maintenance functions displaced from Hangar 838.

REQUIREMENT: Expanded and upgraded aircraft maintenance shops are required to support 24 F-15 A/B aircraft scheduled for the 116 Tactical Fighter Wing in the fourth quarter of FY 87. The new BCE facility is required since it is necessary to remove this function from Building 838 to provide space for the expanded aircraft maintenance functions.

CURRENT SITUATION: The existing avionics, engine maintenance, organizational maintenance, aircraft general purpose shops, maintenance control, flight simulator, and life support areas are constructed to support the currently assigned F-4D aircraft. These areas are inadequate in size, configuration, and utility support to accomodate the new F-15 A/B aircraft.

IMPACT IF NOT PROVIDED: The 116 Tactical Fighter Wing will not be able to perform essential maintenance and training on the F-15 A/B aircraft if these facilities are not provided. Failure to provide these facilities will have an adverse impact on the mission and readiness of the 116TFW.

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 86

3. INSTALLATION AND LOCATION
Dobbins AFB, (ANG), Georgia

4. PROJECT TITLE Add/Alter Aircraft Maintenance Buildings - Phase I	5. PROJECT NUMBER 40007

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started	Apr 85
(b)	Percent Complete as of Jan 86	35
(c)	Percent Complete as of Oct 86	100
(d)	Date Design Complete	Jul 86

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

		($000)
(a)	Production of Plans & Specifications	258
(b)	All Other Design Costs	203
(c)	Total	461
(d)	Contract	461
(e)	In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided fro
other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT
ANG

FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION

2 DATE
1 JAN 86

3 INSTALLATION AND LOCATION
McKinnon Airport Comm Station, GA

4 AREA CONSTR COST INDEX
.80

5 FREQUENCY AND TYPE OF UTILIZATION

0730-1600 hours, Monday through Friday, occasional night operations, two week-ends each month, 15 consecutive days annual training and numerous special JCS deployments during the year.

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

One U.S. Coast Guard Station
One Army National Guard Armory

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-447	Composite Operations and Training Complex	40,900SF	5,000	5/85	11/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
March 85
(Date)

Approved for Unilateral Construction

9 LAND ACQUISITION REQUIRED
15
(Number of Acres)
Provided by County for one dollar per year for 50 years.

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT	COST ($000)

No major construction projects planned at this time.

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION

McKinnon Airport Comm Station, GA

11. PERSONNEL STRENGTH AS OF

30 Dec 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	37	2	34	1	191	9	182
ACTUAL	24	1	22	1	175	8	167

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
224th JCSS	191	175

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Support Equipment	40	40
Vehicle Equivalents	237.3	219.8

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

[illegible]

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION McKinnon Airport Comm Station, GA	4 PROJECT TITLE Communications-Electronics Training Complex

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 171-447	7 PROJECT NUMBER 41009	8 PROJECT COST ($000) 5,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE C-E TRAINING COMPLEX	SF	40,900		3529
C-E Training Facility	SF	(24,069)	(97)	(2335)
Supply/Mobility Storage	SF	(7,500)	(65)	(488)
ASE/Vehicle Maintenance Facility	SF	(7,481)	(84)	(628)
Vehicle Parking Shed	SF	(1,850)	(42)	(78)
SUPPORTING FACILITIES				1006
Electrical/Communications	LS			(210)
Utilities Connections	LS			(87)
Site Improvement/Landscaping/Lighting	LS			(248)
Paving Walks & Parking	LS			(356)
POL Storage & Dispensing	LS			(80)
Fire Protection	LS			(25)
Subtotal				4,535
Contingency (5%)				227
Total Contract Cost				4,762
Supervision, Inspection & Overhead (5%)				238
Total Request				5,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Composite Communications-Electronics Training Facility with masonry walls, concrete foundation and floor slab, built-up roof, electrical, mechanical and site improvements. Functional areas include offices, training room, electronics shops, vehicle maintenance shop, supply and mobility storage areas, telecommunications, rest rooms and classroom.

AIR CONDITIONING: 85 tons

11. REQUIREMENT: 40,900 SF ADEQUATE: 0 SF SUBSTANDARD: 32,263

PROJECT: A composite communications-electronic training facility including C-E administration and training, supply and mobility storage, ASE/vehicle maintenance facility, vehicle storage shed, POL storage and dispensing, site improvements, sidewalks and vehicle parking.

REQUIREMENT: Provide adequate space for the 224 JCSS for administration, training and all supporting functions required for the mission.

CURRENT SITUATION: The 224 JCSS is currently located on St Simons Island. The facilities are substandard and lack required space for assigned functions. The unit is scheduled to receive new tactical communications equipment and supporting vehicles that are vital to U.S. Readiness Command's needs. The site will not allow required expansion to accommodate the new equipment. The importance of the unit mission, lack of adequate space, and the constricted site make the current location unsatisfactory. The existing facilities and property will be turned over to the county in exchange for monetary considerations and the property for the proposed site.

IMPACT IF NOT PROVIDED: The capability of the unit to assimulate, store, maintain and train will be severely limited. Continued utilization of the existing site and facilities will degrade the unit's mission capabilities.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION McKinnon Airport Comm Station, GA		
4 PROJECT TITLE Composite Operations & Training Complex		5 PROJECT NUMBER 41009

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Aug 85
(b) Percent Complete as of Jan 86	35
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Apr 86

(2) Basis:

(a) Standard of Definitive Design YES X NO __

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	385
(b) All Other Design Costs	14
(c) Total	399
(d) Contract	399
(e) In-house	-0-

(4) Estimated Construction Start Date Feb 1987

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION PACIFIC MISSILE RANGE FACILITY, BARKING SANDS KAUAI, HAWAII	4. AREA CONSTR COST INDEX 1.34

5 FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by technician force and for training.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Kokee Air Force Station, Kokee, Kauai (Air Force)
Kekaha Armory, Kekaha, Kauai (State DOD)
Hanapepe Armory, Hanapepe, Kauai (Army National Guard)

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-447	Add/Alter Communications Electronics Training Complex	LS	2,000	9/84	6/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

PAC DIV NAV FAC ENG COM Design and Construction

16 MAY 85
(Date)

9 LAND ACQUISITION REQUIRED

None - action completed

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT	COST ($000)
No major construction planned at this time.	

1. COMPONENT	FY 19$_{87}$ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION

PACIFIC MISSILE RANGE FACILITY, BARKING SANDS, KAUAI, HAWAII

11. PERSONNEL STRENGTH AS OF 15 MAY 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	13	1	11	1	77	3	74
ACTUAL	13	1	11	1	64	2	62

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
202nd Air Traffic Control Flight	77	64

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Support Equipment (Power Production AGE)	57	45
Vehicle Equivalents	89.9	59.1

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION Pacific Missile Range Facility Barking Sands, Kauai, Hawaii	4. PROJECT TITLE Add/Alter Communications Electronics Training Complex

5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 171-447	7. PROJECT NUMBER 40272	8. PROJECT COST ($000) 2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD/ALTER COMM. ELEC. TNG. COMPLEX	SF	16,868		1,267
Addition to Facility	SF	(5,200)	120.6	(627)
Alteration to Existing	SF	(7,668)	60.0	(460)
Mobility Storage	SF	(4,000)	45.0	(180)
SUPPORTING FACILITIES				547
Electric	LS			(80)
water	LS			(39)
Sewer	LS			(20)
Mechanical	LS			(408)
SUBTOTAL				1,814
CONTINGENCY (5%)				91
TOTAL CONTRACT COST				1,905
SUPERVISION, INSPECTION & OVERHEAD (5%)				95
TOTAL REQUEST				2,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete foundation and floor slab, pre-engineered metal building to match existing facility; administrative offices, workshops, weapons vault, supply, and testing/classroom.

AIR CONDITIONING: 10 TONS

11. REQUIREMENT: 16868 SF ADEQUATE: 0 SUBSTANDARD: 7668 SF

PROJECT: Addition to and alteration of Communication-Electronic Training Facility.

REQUIREMENT: This facility is required to provide an adequate operations and training complex for an Air Trafic Control Flight. Space is required for operations and training, repair and maintance shops, administration, supply, and mobility equipment or supplies.

CURRENT SITUATION: The unit is operating out of a 7,668 SF substandard facility. Existing facilities do not provide adequate space for operations, training, repair or maintenance of equipment, nor do they provide secure storage of mobility equipment or supplies.

IMPACT IF NOT PROVIDED: Unit will be unable to train for its primary combat mission or properly maintain critical equipment. Space limitation will impose recruitment problems, degrading unit readiness.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE JAN 86

3 INSTALLATION AND LOCATION
PACIFIC MISSILE RANGE FACILITY, BARKING SANDS
KAUAI, HAWAII

4 PROJECT TITLE Add/Alter Communications-Electronics Training Complex	5 PROJECT NUMBER 40272

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Sep 84
(b) Percent Complete as of Jan 86	100
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Jun 85

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	50
(b) All Other Design Costs	-0-
(c) Total	50
(d) Contract	50
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 Jan 86
3 INSTALLATION AND LOCATION Boise Air Terminal (Gowen Field), Boise, Idaho 83707		4 AREA CONSTR COST INDEX .98

5 FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by technician force and for equipment and material storage.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Army National Guard
Army Reserve
Naval Reserve
Marine Corps Reserve

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
422-758	Base Supply and Equipment Warehouse	39,400SF	2,600	4/85	2/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

13 Feb 85
(Date)

Approved for Unilateral Construction

9 LAND ACQUISITION REQUIRED None
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40934	ADAL Avionics/ECM Shop	2,300
40040	Auto Maint/Refuel Vehicle Shop/Storage	2,100
41120	Telecom Center	800

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

BOISE AIR TERMINAL (GOWEN FIELD), IDAHO

11 PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	423	60	362	1	1381	186	1195
ACTUAL	412	59	352	1	1218	160	1058

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
Hq Idaho Air National Guard	27	23
124 Combat Support Squadron	96	93
124 Consolidated Aircraft Maint Squadron	449	362
124 Headquarters Squadron	45	38
124 USAF Clinic	28	30
190 Tactical Reconnaissance	207	167
124 Civil Engineering Flight	122	115
124 Weapons Systems Security Flight	48	39
124 Resources Management Squadron	122	113
124 Information Systems Flight	44	36
189 Tactical Reconnaissance Training Flt	162	112
8124 Student Flight	31	90
TOTAL	1381	1218

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
RF-4C	32	32
C-131	1	1
Aerospace Ground Equipment	108	103
Vehicle Equivalents	236.3	269.1

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Boise Air Terminal (Gowen Field), Boise, Idaho	4 PROJECT TITLE Base Supply & Equip Warehouse

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 442758	7 PROJECT NUMBER 40676	8 PROJECT COST ($000) 2600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE SUPPLY AND EQUIPMENT WAREHOUSE	SF	39,400		2275
Main Warehouse Area	SF	(27,000)	(39.24)	(1059)
Offices and Support Areas	SF	(12,400)	(98.10)	(1228)
SUPPORTING FACILITIES				83
Electric				(21)
Water, Sanitary Sewer and Heat				(6)
Storm Drainage				(13)
Roads, Parking and Walks				(8)
Site Preparation				(35)
SUBTOTAL				2358
CONTINGENCY (5%)				118
TOTAL CONTRACT COST				2476
SUPERVISION, INSPECTION & OVERHEAD (5%)				124
TOTAL REQUEST				2600

10 DESCRIPTION OF PROPOSED CONSTRUCTION

A base supply and equipment warehouse with masonry walls, concrete floor slab, steel or built-up roof, including necessary electrical, mechanical and structural systems to provide a complete facility. Functional areas include general warehouse area, conference and classroom, offices, special storage areas (for weapons, gas cylinders or film) and workshops for packaging and crating.

AIR CONDITIONING: 100 Tons

REQUIREMENT: 39,400 SF ADEQUATE: 0 SUBSTANDARD: 24,668 SF

PROJECT: Construction of a base supply and equipment warehouse.

REQUIREMENT: The base supply and equipment warehouse is required because of Air Guard growth and new operational missions at Gowen Field. The existing facility is inadequate to support these additional requirments.

CURRENT SITUATION: The existing facility is over-crowded and does not provide an economical method to expand or alter to provide adequate base support. The building is functionally marginal for efficient supply support and with increased growth and new missions, the existing space will be used for a tenant organization. A totally new supply facility is required to alleviate the space deficiency and restore efficiency.

IMPACT IF NOT PROVIDED: Support to the operational readiness and capability of the ANG at Gowen Field would not be provided effectively.

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

BOISE AIR TERMINAL (GOWEN FIELD), IDAHO

4 PROJECT TITLE	5 PROJECT NUMBER
Base Supply/Equipment Warehouse	40676

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Apr 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Feb 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	100
(b) All Other Design Costs	41
(c) Total	141
(d) Contract	141
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided fro
other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

O'Hare Air Reserve Forces Facility, IL

4 AREA CONSTR COST INDEX

1.04

5 FREQUENCY AND TYPE OF UTILIZATION

Eight Unit Training Assemblies per month, 15 days Annual Training per year, daily use by Technician Force and scheduled reservist training; and 24 hour per day, 365 days per year use by KC-135E Alpha Alert crew.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

14 Army National Guard Armories, 20 Army Reserve Training Centers, 3 Naval Reserve Training Centers, 3 Coast Guard Training Sites, 4 Marine Reserve Training Centers, 1 Air Force Reserve Base, Forth Sheridan, Glenview Naval Air Station.

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-450	ANG/AFRES Medical Training Facility	14,800 SF	1,600	5/85	3/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

28 Mar 85
(Date)

Joint construction with Air Force Reserve

9 LAND ACQUISITION REQUIRED

None

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40818	ANG/AFRES Telecom Facility	1,200

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

O'Hare Air Reserve Forces Facility, IL

11 PERSONNEL STRENGTH AS OF 2 AUG 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	295	6	60	229	1274	162	1112
ACTUAL	277	6	58	213	1237	146	1091

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
HQ Illinois Air National Guard	39	28
HQ 126th Air Refueling Wing	62	62
108th Air Refueling Squadron	56	56
126th Resource Management Squadron	128	126
126th Combat Support Squadron	88	79
126th Security Police Flight	71	78
126th CAMRON	267	249
126th USAF Clinic	56	52
126th Civil Engineering Flight	83	90
126th Communication Flight (SPT)	23	26
217th Electronics Installations Sqdn	179	181
264th Combat Communications Sqdn	187	175
566th Air Force Band	35	35
	1274	1237

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
KC-135	8	8
Support Equipment	192	192
Vehicle Equivalents	539.5	539.5

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 19_ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION O'Hare Air Reserve Forces Facility, IL (ANG)	4 PROJECT TITLE ANG/AFRES Medical Training Facility

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 171-450	7 PROJECT NUMBER 40128	8 PROJECT COST ($000) 800 ANG 800 AFRES

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANG/AFRES MEDICAL TRAINING FACILITY	SF	14,800	71.00	1051
SUPPORTING FACILITIES				400
Electric	LS			(149)
Water, Sanitary Sewer and Heat	LS			(157)
Site Improvement	LS			(9)
Roads, Parking and Walks	LS			(85)
SUBTOTAL				1451
CONTINGENCY (5%)				73
TOTAL CONTRACT COST				1524
SUPERVISION, INSPECTION & OVERHEAD (5%)				76
TOTAL REQUEST				1600

10 DESCRIPTION OF PROPOSED CONSTRUCTION

A medical training facility with masonry walls, concrete foundation and floor slab, consisting of classrooms, a conference room, medical examination rooms, an urgent care room, medical supply storage rooms, a pharmacy, dental examination rooms, an optometry examination area, an immunization area, an EKG room, a hearing examination room, an X-ray room, a laboratory, latrines, janitor's closet, mechanical equipment room, and utilities.

AIR CONDITIONING: 30 TONS

11. REQUIREMENT: 14,800 SF ADEQUATE: 0 SUBSTANDARD: 14,586 SF

PROJECT: Construction of a Joint-use ANG/AFRES medical training facility with access roadway and vehicle parking areas.

REQUIREMENT: The 126th USAF Clinic (ANG) and the 928th Tactical Clinic (AFRES) require a 14,800 SF consolidated medical training, administration and health services facility in support of the unit's mission requirements.

CURRENT SITUATION: These two medical units presently occupy 14,586 SF in a facility constructed in 1943. The building is poorly insulated and is functionally inadequate for efficient medical service and training. The present area will be converted to administrative space for the Defense Logistics Agency's DCASR Headquarters function.

IMPACT IF NOT PROVIDED: Required training, administration, and health science support to the ANG and AFRES units assigned to this base can not be performed in a timely, efficient, or effective manner with the present facility configuration and inadequacies. Continued use of the present facility seriously limits the medical unit's mission effectiveness and readiness.

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION
O'Hare Air Reserve Forces Facility, IL

4. PROJECT TITLE ANG/AFRES Medical Training Facility	5. PROJECT NUMBER 40128

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started	May 85
(b)	Percent Complete as of Jan 86	60
(c)	Percent Complete as of Oct 86	100
(d)	Date Design Complete	Mar 86

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

		($000)
(a)	Production of Plans & Specifications	76
(b)	All Other Design Costs	31
(c)	Total	107
(d)	Contract	107
(e)	In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided fro
other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

COMPONENT		2 DATE
ANG	FY 19_7 GUARD AND RESERVE MILITARY CONSTRUCTION	1 JAN 86

3 INSTALLATION AND LOCATION	4 AREA CONSTR COST INDEX
Greater Peoria AP, Peoria, Illinois	1.04

5 FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies per month, 15 days of annual Field Training per year. Also, technician personnel utilize the installation 20 days per month.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

One Army National Guard Armory
One Army Reserve Center
One Marine Corps Reserve
One Naval Reserve
One Coast Guard Reserve

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
	Site Preparation Phase I	LS	4,000	7/85	9/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction

MAY 85
(Date)

9 LAND ACQUISITION REQUIRED A long term, nominal value lease has been approved (99 year, 341-acre lease to the Air Force) (Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

Project	Cost ($000)
Site Preparation (Phase II & III)	9,000
Avionics/Weapons & Release System Shop	2,400
Composite Aircraft Maintenance Hangar	6,000
Aircraft Parking Apron/Taxiway/Arm-Dearm Pads	7,600
Composite Squadron Operations Facility	2,500
Composite Operational Training Facility	4,800
Aircraft Engine I&R and NDI Shop	2,000
Fuel Cell Maintenance Hangar	2,000
Base Supply Admin and Warehouse	2,200
Jet Fuel Operations, Storage Complex	2,800
Flight Simulator Facility	1,000
Other Support Facilities	7,100

1 COMPONENT	FY 19_ GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

Greater Peoria MAP, Peoria, Illinois 61607

11 PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	214	3	12	199	917	123	794
ACTUAL	180	3	12	165	840	111	729

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
0169 TAS SQ	97	92
0182 CEG FT	104	97
0182 CEM SQ	77	66
0182 CLM SQ	237	208
0182 CMN FT	24	23
0182 COS SQ	96	79
0182 DAC SQ	52	48
0182 RMS SQ	120	107
0182 TAS GP	32	26
0182 TCI CI	30	27
0182 WSS FT	48	46
8182 STU FT	0	21
TOTAL	917	840

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
OA-37	24	27
C-131	1	1
Vehicle Equivalents	432.7	404.6

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Greater Peoria IAP, Peoria, IL	4 PROJECT TITLE Site Preparation Phase I

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 851-147	7 PROJECT NUMBER 41033	8 PROJECT COST ($000) 4,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Site Preparation Phase I	LS			3,628
Grading	CY	(450,000)	(5.0)	(2,250)
Roads/Site Improvement	LS			(478)
Utilities	LS			(900)
Subtotal				3,628
Contingencies (5%)				182
Total Contract Cost				3,810
Supervision, Inspection, & Overhead (5%)				190
Total Request				4,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION This first phase of site preparation is required to support follow-on construction of a new Air National Guard Facility. It is part of a phased, four year construction program costing approximately $50 million. The purpose is to relocate the present Peoria ANG unit (182 TASG and it's OA-37 Fac Mission) from its present site to an expanded operational and training complex. Project includes clearing, grading, landscaping and other earthwork; it provide storm drainage, electrical distribution, sanitary sewer, water mains, fire hydrants, and fencing; and it will also pave access roads to the construction areas.

11 REQUIREMENT: LS (for site work) ADEQUATE: N/A SUBSTANDARD: N/A

PROJECT: Completion of necessary site improvements to accommodate follow-on construction of the base facilities.

REQUIREMENTS: Site preparation for phased follow-on operational, maintenance, training and support facilities is necessary to accommodate ANG mission requirements.

CURRENT SITUATION: The decision to build new ANG facilities on another Peoria, Ill site, was based on the finding of an approved feasibility study which examined the relative merits of expanding and rehabilitating the present 182TASG facilities or developing a new site offered by the airport authorities. It concluded that funds spent in upgrading the existing base would provide a marginal return as compared to the development of a generic fighter base across the field which would be better able to serve ANG mission requirements well into the future. Exisiting facilities will be made available to other interested DOD agencies.

IMPACT IF NOT PROVIDED: It would be impossible to provide critical facilities needed to accomplish the operational readiness and mission capability of the 182TASG.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Greater Peoria MAP, Peoria, Illinois 61607		
4 PROJECT TITLE Site Preparation Phase I		5 PROJECT NUMBER 41033

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Jul 85
(b) Percent Complete as of Jan 86	40
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Sep 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	200
(b) All Other Design Costs	200
(c) Total	400
(d) Contract	400
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 187_ GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Kansas Air National Guard, McConnell AFB, KS		4 AREA CONSTR COST INDEX .92

5 FREQUENCY AND TYPE OF UTILIZATION

Daily. This installation presently provides ANG and Air Force F-4 Training

6 OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

McConnell AFB, KS.
Naval Reserve Center
Marine Reserve Center
U.S. Army Reserve Center
Kansas Army National Guard

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-758	Add/Alter Base Supply Complex	LS	1,500	5/85	5/86
211-157	Addition to Engine Shop	6,400SF	500	5/85	5/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction Approved

6 May 85
(Date)

9 LAND ACQUISITION REQUIRED

None

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40047	ADAL Bldg 35 for Medical Training/Dining	1,530
40393	Munitions Maintenance/Training Complex	2,000
40394	Base Engineering Facility	1,200
40004	Corrosion Control Facility	550
41096	Flight Simulator Facility	1,000
41147	Composite Support Facility	3,960

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1 COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

McConnell AFB, (ANG), Wichita, Kansas

11 PERSONNEL STRENGTH AS OF 14 May 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	286	71	215	-0-	1409	163	1246
ACTUAL	247	66	181	-0-	1291	128	1163

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HQ 184 TAC FTR GP	78	71
127 TAC FTR SQ	44	31
184 CMBT SPT SQ	110	94
184 CIV ENG FLT	58	56
184 TAC CLINIC	30	25
184 CAM SQ	745	676
184 RES MGT SQ	167	137
OL/GR, 184 TAC FTR GP	46	44
134 TCF	87	54
177 TFTS	44	32
8184 STU FLT	-0-	71
TOTAL	1409	1291

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F4D	50	57
Vehicle Equivalents	387.9	369.4
Support Equipment Items	2403	2323

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Hq, 184 TFG, Kansas ANG McConnell AFB, KS	4 PROJECT TITLE ADD/ALTER BASE SUPPLY COMPLEX

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 442-758 452-235	7 PROJECT NUMBER 40396	8 PROJECT COST ($000) 1500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD/ALTER BASE SUPPLY COMPLEX		37,716		993
New Addition	SF	(17,485)	(36)	(629)
Alter Existing	SF	(20,231)	(18)	(364)
SUPPORTING FACILITIES				368
Electric	LS			(60)
Water/Sanitary Sewer/Gas	LS			(38)
Storm Drainage	LS			(26)
Site Improvements	LS			(60)
Roads, Parking and Walks	LS			(63)
Systems Furniture	LS			(121)
SUBTOTAL				1361
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1429
SUPERVISION, INSPECTION & OVERHEAD (5%)				71
TOTAL REQUEST				1500

10 DESCRIPTION OF PROPOSED CONSTRUCTION

An addition to the Base Supply Warehouse with concrete foundations and floor slabs, insulated metal panel walls, open steel joints, EPDM roof over rigid insulation and steel deck. Alter existing building to provide additional administrative offices, new radiant heating systems for warehouse areas, re-insulation and compatible exterior wall finish.

11. REQUIREMENT: 37,716 SF ADEQUATE: 0 SUBSTANDARD: 20,231

PROJECT: Construct 17,485 SF addition to Base Supply Warehouse for additional warehouse storage and administrative space, and upgrade existing Base Supply.

REQUIREMENTS: Provide adequate storage for mobility supplies and equipment required by tasking directives. Insure adequate offices for assigned personnel and space to handle the supplies and equipment in storage to meet expanded mission requirements.

CURRENT SITUATION: Existing facilities are insufficient to allow for the administration and proper storage of mobility supplies and the increase of supplies and equipment to meet the projected requirements in both aircraft and flying hours.

IMPACT IF NOT PROVIDED: Mobility supplies will have to be stocked in areas continually exposed to excessive moisture and humidity. As storage space is depleted, weather sensitive material placed in outside storage will become susceptible to the elements. Supplies and equipment maintained in this condition will seriously impair the unit's mission capability.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

McConnell AFB, (ANG), Wichita, Kansas

4 PROJECT TITLE Add/Alter Base Supply Complex	5 PROJECT NUMBER 40396

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started	May 85
(b)	Percent Complete as of Jan 86	60
(c)	Percent Complete as of Oct 86	100
(d)	Date Design Complete	May 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

		($000)
(a)	Production of Plans & Specifications	65
(b)	All Other Design Costs	38
(c)	Total	103
(d)	Contract	103
(e)	In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION 184 TFG, KSANG, McConnell AFB, KS	4. PROJECT TITLE Addition to Engine Shop

5. PROGRAM ELEMENT 5529AF	6. CATEGORY CODE 211-157	7. PROJECT NUMBER 40484	8. PROJECT COST ($000) 500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCT ADDITION TO ENGINE SHOP	SF	6,400	67	429
SUPPORTING FACILITIES				25
Electric	LS			(7)
Water/Sanitary Sewer/Gas	LS			(4)
Storm Drainage	LS			(4)
Site Improvements	LS			(10)
SUBTOTAL				454
CONTINGENCIES (5%)				23
TOTAL CONTRACT COST				477
SUPERVISION, INSPECTION & OVERHEAD (5%)				23
TOTAL REQUEST				500

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct 6,400 SF addition to existing Engine Inspection and Repair Shop to accomodate new Welding, After-Burner Teardown, Inspection, Repair, and Assembly Shops. Provide 10 X 8 overhead doors, 8 X 8 double-leaf doors and overhead monorail hoist capable of supporting 2,000 pounds. New addition shall consist of masonry walls, open web steel joists, membrane roofing over light weight concrete on steel roof deck.

11. REQUIREMENT: 16,600 SF ADEQUATE: 10,200 SF INADEQUATE: 0

PROJECT: Provide a 6,400 SF addition to Bldg 37, Engine I/R Shop.

REQUIREMENT: The tear-down, inspection and repair of jet engines and auxiliary power units require a facility with monorails, cleaning bays, computer terminals for trend analysis, and office space for administration. Adequate space is required to allow several engines to be worked without movement prior to re-assembly.

CURRENT SITUATION: This Unit's role in F-4 aircrew training program has been greatly expanded. As of March 1985, 57 aircraft have been assigned, and therefore, a total of 124 engines including authorized spares must be maintained. PACER SAVINGS occupies two of the six engine service bays; afterburner teardown another. All six bays are badly needed and the space is cluttered by engines waiting work. Welding jobs cannot be done in the shop and must be taken to another building. Spare engine storage cannot be accomodated by Supply. Required efficiency to meet this workload cannot be attained with the present space.

IMPACT IF NOT PROVIDED: Proper and timely maintenance and repair of J-79 engines will become seriously impaired, causing significant delays to the Unit's flying/training mission.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE JAN 86
3 INSTALLATION AND LOCATION KANSAS AIR NATIONAL GUARD, McCONNELL AFB, KS		
4 PROJECT TITLE Addition to Engine Shop		5 PROJECT NUMBER 40484

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	May 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	May 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	21
(b) All Other Design Costs	10
(c) Total	31
(d) Contract	31
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Otis ANG Base, MA		4 AREA CONSTR COST INDEX 1.09

5 FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by active duty reservists and technicians in support of day-to-day mission and training requirements.

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

U.S. Coast Guard, USCG Reserves, Army Reserves, Army National Guard, U.S. Air Force, U.S. Marine Reserve

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
141-753	Alter Building 162 for Avionics and PMEL	23,356 SF	3,000	2/85	1/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction

6 Dec 85
(Date)

9 LAND ACQUISITION REQUIRED

NONE

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40263	Composite Squadron Operations	3,000
40489	Aircraft Arresting System	600
40487	Munitions Maint/Storage	2,100

1 COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

OTIS ANG BASE, MA 02542-5001

11 PERSONNEL STRENGTH AS OF 30 APR 84

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	587	27	282	278	989	138	851
ACTUAL	605	27	300	278	952	120	832

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
102 FIW	53	51
101FIS	39	35
102CSS	88	71
102RMS	127	122
102CAM Sq	363	349
102Comm Flt	20	19
102SP Flt	81	107
102CE Flt	158	137
102 Clinic	54	54
102 Clinic (OL)	6	7
TOTAL: 102 FIW	989	952

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-106	15	17
T-33	2	2
C-131	1	1
Ground Support Equipment	100	100
Motor Vehicles	209	207

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Otis ANG Base, MA	4 PROJECT TITLE Alter Avionics/PMEL Facility

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 217-712	7 PROJECT NUMBER 40488	8 PROJECT COST ($000) 3,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AVIONICS/PMEL FACILITY	SF	23,356	109	2,546
SUPPORTING FACILITIES				173
Electric	LS			(60)
Water, Sanitary Sewer and Heat	LS			(30)
Storm Drainage	LS			(20)
Site Improvement	LS			(12)
Roads, Parking and Walks	SY			(51)
SUBTOTAL				2,719
CONTINGENCY(5%)				137
TOTAL CONTRACT COST				2,856
SUPERVISION, INSPECTION & OVERHEAD (5%)				144
TOTAL REQUEST				3,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter Building 162 mechanical and electrical systems and incorporate structural modifications to satisfy the facility requirements for an avionics shop and precision measurement equipment laboratory (PMEL). Functional areas include maintenance rooms for repair, calibration and storage of PMEL equipment; laboratory; administration; library and classroom areas; avionics equipment inspection, calibration and repair shops; communication/navigation and instrument shop; equipment storage; and training areas.

AIR CONDITIONING: 60 TONS

11. REQUIREMENT: 23,356 ADEQUATE: 0 SUBSTANDARD: 20,569

PROJECT: Alteration to building 162 to support the avionics shop functions and a precision measurement equipment laboratory.

REQUIREMENT: Provide a Type IIB PMEL support at Otis ANG Base for a nine state geographic area, and an aircraft avionics facility to support coversion of the 102nd Fighter Interceptor Wing to F-16 aircraft.

CURRENT SITUATION: The current PMEL is located in an underscope converted rocket storage and assembly building requiring substantial facility, energy, and environmental upgrades. The existing facility is beyond economical repair for the critical PMEL requirements, although it will satisfy deficiencies in administrative space. The current avionics function is also underscope, lacking environmental controls to satisfy F-16 requirements. This building can be utilized by other general purpose maintenance shops. The PMEL and avionics functions can be readily located in Building 162 after alterations are complete.

IMPACT IF NOT PROVIDED: Continued use of existing PMEL and avionics facilities will substantially reduce the efficiency and performance of these functions in support of the 102nd FIW conversion.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION
OTIS ANG BASE, MA 02542-5001

4 PROJECT TITLE Alter Avionics/PMEL Facility	5 PROJECT NUMBER 40488

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Feb 85
(b) Percent Complete as of Jan 86	100
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Jan 86

(2) Basis:
(a) Standard of Definitive Design YES _X_ NO ___
(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	132
(b) All Other Design Costs	58
(c) Total	190
(d) Contract	190
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided fro
other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Allen C. Thompson Fld (ANG), Jackson Mississippi		4 AREA CONSTR COST INDEX .89

5 FREQUENCY AND TYPE OF UTILIZATION

This facility is used daily, Monday through Friday, and on weekends during scheduled UTAs. Average use per month is estimated to be 23 days.

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

1 - Armed Forces Entrance Station
5 - Army National Guard Armories
1 - USP&FO
1 - USNR Center
2 - U.S. Army Reserve Centers

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-157	Add/Alter Engine/ Avionics Shops	LS	1,300	6/85	8/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction

5 May 85
(Date)

9 LAND ACQUISITION REQUIRED

None
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

Project		Cost ($000)
40861	ADAL Hangar Bldg 102	4,920
40864	Fuel Cell/Corrosion Control Facility	3,800
40391	BCE Maintenance Facility	1,610
40865	Camp Aerial Port/AGE Facility	1,900
40866	ADAL Base Supply/Equip Whse	2,250
40867	ADAL Vehicle Maint Shop	1,310
40868	Comp Med Tng & Admin/Sec POL	1,300
40392	ADAL Operational Training Complex	2,000

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION

Allen C. Thompson Fld (ANG), Jackson, Mississippi

11 PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	245	3	13	229	904	152	752
ACTUAL	220	3	13	204	886	143	743

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
0172 CEG FT	97	91
0172 CLM SQ	176	217
0172 CMN FT	24	28
0172 COS SQ	117	85
0172 MAP FT	74	64
0172 RMS SQ	120	98
0172 TAL GP	44	36
0172 TCI CI	32	30
0172 WSS FT	32	29
0139 AME FT	90	82
0139 TAL SQ	98	108
8172 STU FT	0	18
TOTAL	904	886

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
8 C-130H's convert to 8 C-141B's (87/3)	8	8

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Allen C. Thompson Field (ANG) Mississippi	4 PROJECT TITLE Add/Alter Engine/ Avionics Shops

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 211-157	7 PROJECT NUMBER 40862	8 PROJECT COST ($000) 1,300

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Add/Alter Engine/ Avionics Shops	LS			1,120
Add to Engine Shop	SF	(2,420)	(57.85)	(140)
Alter Engine Shop	LS			(126)
Add to Avionics	SF	(2,550)	(75.69)	(193)
Alter Avionics	LS			(133)
Construct NDI	SF	(4,200)	(125.71)	(528)
Support Facilities	LS			60
Electrical	LS			(33)
Water and Sanitary Sewer	LS			(6)
Storm Drainage	LS			(4)
Site Preparation	LS			(12)
Roads, Walks, Parking	LS			(5)
Sub-Total				1,180
Contingency (5%)				60
Total Contract Cost				1,240
Supervision Inspection & Overhead (5%)				60
Total Request				1,300

10 DESCRIPTION OF PROPOSED CONSTRUCTION Aircraft Engine Inspection & Repair shop, Avionics shop, and Nondestructive Inspection shop with concrete foundation & floor slab, steel frame, masonry walls, and built up roof. Modification of existing engine shop to include bridge crane, bearing inspection shop, and relocation of interior walls. Modification of existing avionics to include relocation of interior walls and modification of electrical and mechanical systems.

AIR CONDITIONING: 25 TONS

REQUIREMENT: 25,170SF ADEQUATE: 16,000SF SUBSTANDARD: 1500SF

PROJECT: Construction of a Nondestructive Inspection shop, addition to and alteration of Engine Inspection and Repair shop, and addition to and alteration of Avionics shop.

REQUIREMENT: Adequate maintenance and training facilities to support newly assigned C-141B aircraft.

CURRENT SITUATION: The existing facilities were designed and constructed to support C-130H aircraft and are not adequate in size and configuation to support the maintenance of the new C-141B aircraft being assigned to the 172 MAG.

IMPACT IF NOT PROVIDED: The 172 MAG will not be able to perform the essential maintenance and accomplish the required training of personnel for the C-141B aircraft without the addition to and modification of these facilities.

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION Allen C. Thompson Fld (ANG), Jackson, Mississippi		
4. PROJECT TITLE Add/Alter Engine/Avionics Shop		5. PROJECT NUMBER 40862

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Jun 85
(b) Percent Complete as of Jan 86	50
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Aug 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	65
(b) All Other Design Costs	60
(c) Total	125
(d) Contract	125
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Air National Guard Training Site, Gulfport-Biloxi Regional Airport, Gulfport, Mississippi	4 AREA CONSTR COST INDEX .89

5 FREQUENCY AND TYPE OF UTILIZATION

One weekend per month for three tenant units as well as Annual Training for numerous visiting units averaging well over 300 days per year.

6 OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USAF: Keesler AFB-Biloxi
USN: Naval Construction Battalion Center - Gulfport
Five Army National Guard Armories

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
411-135	Jet Fuel Storage Complex	20,000 BL	4,250	2/85	4/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for Unilateral Construction — 11 Jul 85 (Date)

9 LAND ACQUISITION REQUIRED

None (Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT	COST ($000)
No major construction planned at this time.	

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION
Air National Guard Training Site, Gulfport-Biloxi Regional Airport
Gulfport, Mississippi

11 PERSONNEL STRENGTH AS OF

2 AUG 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	131	7	70	54	372	26	346
ACTUAL	129	8	67	54	357	20	337

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
0172 COS SQ	50	49
0172 TCI CI	8	9
0173 CEG FT	138	130
0255 CCS SQ	176	169
	372	357

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Vehicle Equivalents	317.9	305.9

1 COMPONENT ANG	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION ANG Training Site Gulfport, MS	4 PROJECT TITLE Jet Fuel Storage Complex

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 411-135	7 PROJECT NUMBER 40001	8 PROJECT COST ($000) 4250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
JET FUEL STORAGE COMPLEX				3345
Storage Tanks	BBL	20,000	95	(1900)
Pipeline	LF	7,000	145	(1015)
Off-Loading Dock	LS			(350)
POL Operations Facility	SF	1,000	80	(80)
SUPPORT FACILITIES				510
Refueler Vehicle Parking	LS			(70)
Electrical	LS			(65)
Water and Sanitary Sewer	LS			(80)
Storm Drainage	LS			(50)
Site Preparation	LS			(124)
Roads, Fence and Walks	LS			(121)
SUBTOTAL				3855
CONTINGENCIES (5%)				193
TOTAL CONTRACT COST				4048
SUPERVISION, INSPECTION, & OVERHEAD (5%)				202
TOTAL REQUEST				4250

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Two steel jet fuel (JP-4) storage tanks with floating roofs and associated piping; an off-loading dock to receive delivery barges; an underground pipeline between the dock and tanks; three fill stands and off-loading points to dispense to and from trucks; a Fuels Operations Building; plus associated fencing, security systems, site improvements, and pavement.

11. REQUIREMENT: 20,000 BL ADEQUATE: 0 BL SUBSTANDARD: 10,000 BL

PROJECT: Construct a new jet fuel (JP-4) storage area with pipeline and dock facilities. The present leased facility will not be renewed.

REQUIREMENT: In the last four years this Training Site has transitioned into a support base for active Air Force, Air National Guard, and Air Force Reserve operational readiness inspections (ORI's). During the course of these inspections, flying activities consume over 110,000 gallons (2600 barrels) of jet fuel per day. This Training Site is scheduled to continue its ORI support with increased frequency. Greater jet fuel storage capacity is necessary to support these ORI's and additional JCS exercises.

CURRENT SITUATION: Present facilities consist of one 10,000 barrel storage tank. Resupply is accomplished through the Defense Logistics Agency (DLA) by barge from Tyndall AFB, Florida. Minimum resupply quantity is 8,000 barrels which means that the existing tank must reach a low point of 2,000 barrels before a barge can off-load. Weather further complicates the picture by cancelling flying thereby leaving too much fuel in the tank or delaying the barge inroute. Normal barge schedules are developed (--continued next page--)

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION Air National Guard Training Site Gulfport, Mississippi		
4. PROJECT TITLE Jet Fuel Storage		5. PROJECT NUMBER 40001

forty-five days in advance and normal routes encompass 237 miles of intercoastal waterway with six barge receiving activities, the last of which is this Training Site. Flexibility in resupply (due to fluctuations in consumption as occurs during ORI's) is severely limited since DLA has advised that telephone requests for a barge delivery within fifteen days for arrival on a specific date is difficult to meet.

IMPACT IF NOT PROVIDED: Lack of additional storage capacity will require fuel deliveries by vehicle which will result in a 2 cent per gallon increase in transportation costs. Vehicles delivery is further hampered by the fact that only one issue/receiving point is available, severely restricting the quantity that can be on/off-loaded at any given time. The present bulk storage location requires that 5,000 gallon tank trucks drive thru a civilian residential area on narrow streets which presents a high potential for mishap. Without adequate fuel, mission readiness and capability could not be tested.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Air National Guard Training Site, Gulfport-Biloxi Regional Airport Gulfport, Mississippi		
4 PROJECT TITLE Jet Fuel Storage		5 PROJECT NUMBER 40001

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started	Feb 85
(b)	Percent Complete as of Jan 86	60
(c)	Percent Complete as of Jan 86	100
(d)	Date Design Complete	Apr 86

(2) Basis:

(a) Standard of Definitive Design Yes X No______

(b) Where design was most recently used

____

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

		($000)
(a)	Production of Plans & Specifications	136
(b)	All Other Design Costs	62
(c)	Total	198
(d)	Contract	198
(e)	In-House	-0-

(4) Construction Start Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
None			

1. COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION Rosecrans Memorial Airport, St. Joseph, Missouri		4. AREA CONSTR COST INDEX 1.05

5. FREQUENCY AND TYPE OF UTILIZATION

7 Days per week, 365 Days per year

6. OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

1 Naval Reserve, 2 Army Reserve and 1 Army National Guard

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
141-753	Add to Squadron Ops Facility	10,837SF	1,200	5/83	11/84

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for Unilateral Construction

19 Apr 85
(Date)

9. LAND ACQUISITION REQUIRED

None

(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

Project		Cost ($000)
40073	Composite Support Facility	4,000
41262	ADAL Auto Maintenance Shop	1,400
41263	Base Engineering Maintenance Facility	1,800
41264	Fire Suppression System	1,400
41266	Alter Various Facilities	1,500

1. COMPONENT	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION

Rosecrans Memorial Airport, St. Joseph, Missouri

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	194	2	27	165	807	122	685
ACTUAL	197	2	26	169	688	93	595

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
0139 CEG FT	100	98
0139 CLM SQ	184	153
0139 CMN FT	24	17
0139 COS SQ	96	70
0139 MAP FT	74	68
0139 RMS SQ	121	100
0139 TAL GP	63	44
0139 TCI CI	30	26
0139 WSS FT	32	28
0139 TAL SQ	83	70
8139 STU FT	0	14
TOTAL	807	688

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130A Equivalents	8	10

NOTE: Four (4) additional C-130's (various models) will operate out of this installation approximately 15 days per month as other unit aircrews and aircraft rotate in to attend the Advanced Airlift Tactics Training Course.

1 COMPONENT ANG	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Rosecrans Memorial Airport St. Joseph, Missouri	4 PROJECT TITLE Addition to Squadron Operations Facility

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 141-753	7 PROJECT NUMBER 40174	8 PROJECT COST ($000) 1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO SQUADRON OPERATIONS FACILITY	SF	10,837		950
Squadron Operations	SF	(4,684)	(93.87)	(346)
Advanced Airlift Tactics Training Ctr	SF	(6,153)	(98.16)	(604)
SUPPORTING FACILITIES				138
Electric, Water, Sanitary Sewer, Gas	LS			(55)
Site Improvement	LS			(33)
Roads, Parking and Walks	LS			(50)
SUBTOTAL				1,088
CONTINGENCY (5%)				55
TOTAL CONTRACT COST				1,143
SUPERVISION, INSPECTION/OVERHEAD (5%)				57
TOTAL REQUEST				1,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION A Squadron Operations and Tactics Training Center with concrete foundation and floor slab, masonry walls, steel frame and built-up roof. The Tactics Training Center portion of the addition will be a secure, controlled access facility utilizing filtered power and building envelope construction which will prevent acoustic and electronic emissions from escaping. Functional areas include classrooms, vault, library, projection room, locker room, restrooms, administrative offices, and mechanical support space. Includes all required utilities.
AIR CONDITIONING: 38 Tons.

11. REQUIREMENT: 22,617SF. Adequate: 11,780SF. Substandard: 0.
PROJECT: Addition to the existing Squadron Operations Facility for Squadron Operations functions and the Advanced Airlift Tactics Training Center.
REQUIREMENT: The Air National Guard Advanced Airlift Tactical Training Center (ANG/AATTC) is tasked with training 840 crew members per year in the skill of successfully completing tactical airlift missions in a hostile environment. Adequate facilities in which to conduct this training require classrooms with associated audio-visual aids and equipment, personal equipment storage rooms, briefing/debriefing rooms for the tactical flights, and restroom facilities. The current curriculum of flying and academics for hostile environment missions requires a complete and separate Intelligence section. Space must be provided for the administrative function and files maintenance of required documents or records. Space must also be provided for instructor requirements, such as information gathering course preparation, and student interface. Finally, the present 180th Tactical Airlift Squadron operations building does not have adequate space for squadron mission planning. (--continued next page--)

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION
ROSECRANS MEMORIAL AIRPORT, ST. JOSEPH MISSOURI

4. PROJECT TITLE ADD TO SQUADRON OPERATIONS FACILITY	5. PROJECT NUMBER 40174

CURRENT SITUATION: Presently the ANG/AATTC is operating out of a temporary modular building located in a parking lot. Because of the temporary nature of its design, the building cannot provide proper security (e.g. RF Sheilding) against compromise of sensitive material being openly discussed and recorded. The existing 180th TAS operations building was based on the design for a fighter squadron and is unable to efficiently handle the operations function of a tactical airlift squadron. Because of inadequecies in the temporary modular building housing the ANG/AATTC, areas in the 180th TAS operations building such as the briefing room and intelligence vault must be used by both functions, increasing the demand on an already overcrowded facility.

IMPACT IF NOT PROVIDED: Training of C-130 crews for both 198th TAS and ANG/AATTC will be seriously degraded unless adequate facilities are provided. The 180th TAS and the AATTC compliment each other but must operate as separate units. Competition for space when academic and flying classes are in session will seriously degrade the mission of both units.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86

3 INSTALLATION AND LOCATION
Rosecrans Memorial Airport, St. Joseph, Missouri

4 PROJECT TITLE Add to Squadron Operations Facility	5 PROJECT NUMBER 40174

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	May 83
(b) Percent Complete as of JAN 86	100
(c) Percent Complete as of OCT 84	100
(d) Date Design Complete	Nov 84

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used

(3) TOTAL COST (c) = (a) +(b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	62
(b) All Other Design Costs	22
(c) Total	84
(d) Contract	84
(e) In-house	-0-

(4) Construction Start — Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

1. COMPONENT
ANG

FY 19__ GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
1 JAN 86

3. INSTALLATION AND LOCATION
NJANG Atlantic City Airport
FAA Tech Ctr, Atlantic City, NJ 08405

4. AREA CONSTR COST INDEX
1.08

5. FREQUENCY AND TYPE OF UTILIZATION
Four Unit Training Assemblies per month, daily use by Technician Force, fifteen days Annual Field Training per year, two twenty four hour alert crew and aircraft with support personnel standing active duty runway alert in support of the ADTAC Mission.

6. OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS
One Army Reserve Facility
Four Army National Guard Armories
One USCG Tng Center

7. PROJECTS REQUESTED IN THIS PROGRAM

[illegible]	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217-712	Avionics Shop	12,682 SF	2,060	2/85	5/86
211-157	Composite Aircraft Maintenance Complex	31,500 SF	3,600	2/85	5/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
30 Apr 85
(Date)

Unilateral Construction

9. LAND ACQUISITION REQUIRED
None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40452	Addition to Munitions Maintenance/Storage	1,200
40453	Security Police Operations	700
40759	Flight Simulator Facility	1,000
40184	Composite Base Engr/Auto Maint	2,700

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION
NJANG, ATLANTIC CITY AIRPORT
FAA TECHNICAL CENTER, ATLANTIC CITY, NJ 08405

11. PERSONNEL STRENGTH AS OF 31 JUL 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	314	5	47	262	942	109	833
ACTUAL	312	5	45	262	833	96	737

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
HQ 177 FIG	46	28
Resource Mgt. Sq.	122	100
119th F.I.S.	40	38
177th CAM Sq.	360	317
177th Cmbt Support Sq.	88	73
177th Sec Police Flt	90	84
177th C.E. Flight	117	112
177th Clinic	55	46
177th Communications Flight	24	21
8177th Student Flight	0	14
TOTAL	942	833

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-106	18	16
T-33	3	3
Aerospace Ground Equipment	127	126
Vehicle Equivalents	235.3	220.0

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION
NJANG, ATLANTIC CITY AIR BASE
FAA TECH CTR, ATLANTIC CITY, NJ

4. PROJECT TITLE
AVIONICS SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55294F	217-712	40754	2,060

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIONICS FACILITY	SF	12682	118	1497
SUPPORTING FACILITIES				372
Electric	LS			(51)
Water/Sewer/Gas	LS			(20)
Steam	LS			(72)
Demolition	LS			(90)
Roads/Parking/Walks	LS			(79)
Special Foundation	LS			(60)
SUBTOTAL				1869
CONTINGENCY (5%)				93
TOTAL CONTRACT COST				1962
SUPERVISION, INSPECTION, & OVERHEAD (5%)				98
TOTAL REQUEST				2060

10. DESCRIPTION OF PROPOSED CONSTRUCTION

An Avionics Facility with masonry walls, concrete foundation, concrete floor slab and built-up roofing, including necessary electric, mechanical and structural work. Functional areas include administrative offices, conference room, classroom, electronic test labs, rest rooms, ready-room, storage, and break room. Two buildings will be demolished.

AIR CONDITIONING: 65 TONS

11. REQUIREMENTS: 12,682 SF ADEQUATE: 0 SF SUBSTANDARD: 12,505 SF

PROJECT: Construct an Avionics Shop in support of the 177th FIG.

REQUIREMENTS: The high technology check out and repair of aircraft avionics systems and components require modern facilities in which to perform inspections and repairs. The avionics systems must be removed from the aircraft, separated into components, inspected, repaired, reassembled and tested before return to the aircraft. Further, a building air conditioning system, is required to provide a clean controlled working environment.

CURRENT SITUATION: The current Avionics facility can not meet the stringent requirements associated with the conversion aircraft and is scheduled to be utilized as a Weapons Release and Gun Maintenance Shop.

IMPACT IF NOT PROVIDED: The 177 Fighter Interceptor Group will not be able to service the Avionics Systems of the replacement aircraft which will have a severe impact on the capabilities of this Unit to support the mission.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE JAN 86

3 INSTALLATION AND LOCATION
NJANG ATLANTIC CITY AIRPORT
FAA TECH CTR, ATLANTIC CITY, NJ 08405

4 PROJECT TITLE Avionics Shop	5 PROJECT NUMBER 40754

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Feb 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	May 86

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	85
(b) All Other Design Costs	66
(c) Total	151
(d) Contract	151
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT
ANG

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE
1 Jan 86

3 INSTALLATION AND LOCATION
NJANG, Atlantic City Air Base
FAA Tech Ctr, Atlantic City, NJ

4 PROJECT TITLE
Composite Aircraft
Maintenance Complex

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
55294F	211-157	40755	3,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE ACFT MAINTENANCE COMPLEX		31500		2,834
Engine I/R Shop	SF	(16122)	(71.00)	(1,145)
A/C Corrosion Control	SF	(7650)	(92.00)	(704)
Alter Bldg 240	LS			(403)
SUPPORTING FACILITIES				430
Electric	LS			(83)
Water/Sanitary Sewer/Gas	LS			(30)
Demolition	LS			(79)
Site Improvements	LS			(146)
Fire Suppression System	LS			(92)
SUBTOTAL				3,264
CONTINGENCY (5%)				164
CONTRACT COST				3,428
SUPERVISION, INSPECTION & OVERHEAD (5%)				172
TOTAL REQUEST				3,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION

A Composite Aircraft Maintenance Facility constructed of masonry and metal walls, concrete floor slab and foundation, built up roofing, including necessary electrical, mechanical, and structural work. Functional areas shall include engine shop, parts cleaning, inspection room, tool crib, stock room, classroom, breakroom, admin shop, battery shop, electric shop, hydraulic shop, wash bays, rest rooms, locker rooms, and utility room.

AIR CONDITIONING: 13.5 TONS

11 REQUIREMENTS: 31,500 SF ADEQUATE: 0 SUBSTANDARD: 21,256 SF

PROJECT: Construct Composite Aircraft Maintenance Complex.

REQUIREMENT: This facility is needed to disassemble, inspect and repair aircraft engine and engine components. An NDI Shop is needed to X-Ray aircraft components for any structural cracks. The aircraft hangar provides a facility to wash aircraft and also provides area for training load crews in handling aircraft missiles and munitions.

CURRENT SITUATION: The existing Aircraft Engine and NDI Shop cannot be modified for assigned aircraft. The present Engine Shop (Bldg 240) will be converted to Aircraft General Purpose Shops (AGE). Aircraft washing is currently performed in the Fuel Cell Maintenance Hangar. Due to extensive fuel cell maintenance requirements, aircraft washing cannot be accomplished in a timely manner.

IMPACT IF NOT PROVIDED: Maintenance of assigned aircraft will be adversely affected, impacting mission, readiness, and operational training.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1 COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION
NJANG, ATLANTIC CITY AIRPORT
FAA TECHNICAL CENTER, ATLANTIC CITY, NJ 08405

4 PROJECT TITLE	5 PROJECT NUMBER
Composite Aircraft Maintenance Complex	40755

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Feb 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Jun 86

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	139
(b) All Other Design Costs	81
(c) Total	220
(d) Contract	220
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided fro other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1. COMPONENT ANG	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION Air National Guard Base, McGuire AFB, NJ 08641		4. AREA CONSTR COST INDEX 1.04

5. FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies per month, 15 days annual training per year, daily use by military technicians for training.

6. OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Ft Dix; US Naval Air Engineering Center, Lakehurst, NJ; two Army National Guard Armories

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
452-256	Munitions Maintenance and Storage Facility	13,800 SF	1,200	5/85	5/86
442-758	Base Supply Warehouse	LS	3,000	5/85	6/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

30 Apr 85
(Date)

New Jersey State Reserve Forces Facilities Board recommended and approved Unilateral Construction by National Guard

9. LAND ACQUISITION REQUIRED

None

(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40607	Composite Maintenance & Control	1,400
40983	Alter Base Supply for Avionics	1,000
41094	Flight Simulator Facility	1,000
40605	ADAL Maint/Refuel Vehicle Shop	2,000
40611	Operational Training/Telecomm Facility	2,900
40616	ADAL Weapons Calibration Shelter	800

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

AIR NATIONAL GUARD BASE, MCGUIRE AFB, NJ 08641

11 PERSONNEL STRENGTH AS OF 1 MAY 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	515	40	453	22	1810	267	1543
ACTUAL	426	40	364	22	1741	258	1483

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HQ AYF	34	28
108th CEG SQ	95	89
108th CLM SQ	379	352
108th COS SQ	96	102
108th ISS FT	23	27
108th RMS SQ	123	110
108th TFG WG	56	44
108th THP HP	28	39
108th WSS FT	48	49
119th WEA FT	13	12
141st TFG SQ	72	64
150th ARH SQ	56	62
169th ISF FT	27	29
170th ARH GP	55	51
170th CEG FT	88	78
170th CLI CI	50	45
170th CLM SQ	271	247

-continued on next page-

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
KC-135	8	8
F-4E	18	24
Vehicle Equipment	280	287
Support Equipment	265	265

DD FORM 1 DEC 76 1390s Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

AIR NATIONAL GUARD BASE, MCGUIRE AFB, NJ 08641

11 PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED							
ACTUAL							

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
170th COS SQ	88	72
170th RMS SQ	131	115
170th SEP FT	58	57
204th WEA FT	19	17
8108th STU FT	0	29
8170th STU FT	0	23
	1810	1741

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED

DD FORM 1 DEC 76 1390s

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION McGuire AFB, NJ	4 PROJECT TITLE Munitions Maintenance & Storage Facility

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 442-256	7 PROJECT NUMBER 40601	8 PROJECT COST ($000) 1,200

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MUNITIONS MAINTENANCE & STORAGE FAC.	SF	13,800		961
Munitions Maintenance Fac	SF	(9,800)	(83)	(813)
Covered Storage	SF	(4,000)	(37)	(148)
SUPPORTING FACILITIES				128
Electric	LS			(25)
Water, Sanitary Sewer	LS			(15)
Storm Drainage	LS			(8)
Demolition	LS			(15)
Site Improvements	LS			(10)
Roads, Parking, Walks	LS			(55)
SUBTOTAL				1,089
CONTINGENCY (5%)				54
TOTAL CONTRACT COST				1,143
SUPERVISION, INSPECTION, OVERHEAD (5%)				57
TOTAL REQUEST				1,200

10 DESCRIPTION OF PROPOSED CONSTRUCTION

A munitions maintenance and storage facility with reinforced concrete and masonry walls, concrete foundation, concrete floor slab, and built up roof, including mechanical and structural systems required to provide a complete facility. Functional areas include office area, munitions storage areas, missile maintenance and storage areas, automatic loading system storage and processing, trailer maintenance bay, paint room, and open storage area.

AIR CONDITIONING: 5 TONS

11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SF SUBSTANDARD: 3400 SF

PROJECT: Construct a munitions maintenance and storage facility.

REQUIREMENT: A specialized munitions facility is mandatory for the unit to support combat operational training missions. The facility is needed to store, test, and assemble missiles and other munitions to assure proper operation during training exercises. The facility must meet explosive safety and security criteria.

CURRENT SITUATION: The only two available storage igloos are located adjacent to an active taxiway, violating safety criteria. These storage igloos will be demolished upon completion of this facility. Missile checkout is being accomplished in a 400SF wood frame building. This building will also be demolished upon completion of the new facility.

IMPACT IF NOT PROVIDED: Maintenance will continue to be accomplished in sub-standard facilities, jeopordizing lives and property. Without proper munitions support, the training and performance of the 108th TFW will be adversely impacted.

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION
AIR NATIONAL GUARD BASE, MCGUIRE AFB, NJ 08641

4. PROJECT TITLE	5. PROJECT NUMBER
Munitions Maintenance & Storage Facility	40601

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	May 85
(b) Percent Complete as of Jan 86	50
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Jun 86

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	56
(b) All Other Design Costs	55
(c) Total	111
(d) Contract	111
(e) In-house	-0--

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION McGuire AFB, New Jersey		4. PROJECT TITLE Base Supply Warehouse	
5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 442-758	7. PROJECT NUMBER 40608	8. PROJECT COST ($000) 3000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE SUPPLY WAREHOUSE	SF	42000		2226
Administration	SF	(21000)	(71)	(1441)
Warehouse	SF	(21000)	(35)	(785)
SUPPORTING FACILITIES				493
Electric	LS			(113)
Water, Sanitary Sewer	LS			(30)
Special Fire Suppression Systems	LS			(70)
Site Improvements	LS			(140)
Roads, Parking, Walks	LS			(140)
SUBTOTAL				2719
CONTINGENCY (5%)				137
TOTAL CONTRACT COST				2856
SUPERVISION, INSPECTION & OVERHEAD (5%)				144
TOTAL REQUEST				3000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A Base Supply and Warehouse facility with masonry walls, concrete foundation, concrete floor slab, and built up roof, including necessary electrical, mechanical and structural systems to provide a complete facility. Functional areas include, warehouse area, weapons storage and classified storage vaults, administrative areas, customer service areas, classroom, and computer room.

AIR CONDITIONING: 20 TONS

11. REQUIREMENT: 42,000 SF ADEQUATE: 0 SF SUBSTANDARD: 20,000 SF

PROJECT: Construct a base supply administration and warehouse facility in support of the 108th Tactical Fighter Wing.

REQUIREMENT: A supply administrative area and a warehouse that can receive, store, bin, pack, issue, and control supplies and equipment. In addition, mobility equipment, personnel equipment, and War Readiness Supply Kits (WRSK) are required to be accessible and maintained in readiness for deployments and direct mission support.

CURRENT SITUATION: The current warehouse is extremely crowded. WRSK kits can not be built-up on pallets, as required, due to lack of space. Existing facility will be converted to an avionics maintenance facility upon completion of this facility.

IMPACT IF NOT PROVIDED: Continued operation in crowded conditions creating safety hazards will have an adverse effect on the unit's assigned mission and overall readiness.

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

AIR NATIONAL GUARD BASE, MCGUIRE AFB, NJ 08641

4. PROJECT TITLE Base Supply Warehouse	5. PROJECT NUMBER 40608

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	May 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Apr 86

(2) Basis:

(a) Standard of Definitive Design YES X NO __

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	105
(b) All Other Design Costs	54
(c) Total	159
(d) Contract	159
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1. COMPONENT ANG	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION Stewart Airport, Newburgh, New York		4. AREA CONSTR COST INDEX 1.10

5. FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies per month, 15 days Annual Field Training per year, daily use by technician force and for training.

6. OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

1 U S Army National Guard, 1 Army Reserve, 1 Naval Reserve.

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218 85.	Composite Maintenance Facility/Supply Complex	107,400SF	10,150	5/85	10/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction

3 APR 85
Date

9. LAND ACQUISITION REQUIRED None

Number of Acres

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
41269	Aircraft Parking Apron	3,700
41270	Fuel Cell Dock	7,500

DD FORM 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

Stewart Airport, Newburgh, New York

11 PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	328	---	---	328	1551	147	1404
ACTUAL	316	---	---	316	997	94	903

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
0105 CEG SQ	136	148
0105 CAM SQ	642	257
0105 MAG GP	42	40
0105 RMS SQ	125	110
0105 COM FT	19	30
0105 CSS SQ	86	85
0137 MAS SQ	229	99
0105 THP HP	70	38
0105 WSS FT	79	65
0137 APT SQ	123	125
Total	1551	997*

*Recruiting is on schedule to meet increased manpower needs associated with the conversion to C-5A. Manning is projected to be better than 85% of authorized by September of 86 (well ahead of the aircraft arrival program).

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-5A	8	8
C-131	1	1
Vehicles Equivalents	350.1	230
G Support (AGE)	120	53

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION Stewart Airport (ANG) Newburgh, New York	4. PROJECT TITLE Composite Maintenance Facility/ Supply Complex

5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 211-152 442-758	7. PROJECT NUMBER A0847	8. PROJECT COST ($000) 10,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Composite Maintenance Facility/ Supply Complex	LS			8,062
Maintenance Facility	SF	(52,000)	(84.70)	(4,404)
Supply Facility	SF	(55,400)	(66.00)	(3,658)
Supporting Facilities	LS			1,145
Electric	LS			(195)
Water, Sanitary, Sewer & Heat	LS			(200)
Storm Drainage	LS			(100)
Site Improvement	LS			(350)
Roads, Parking & Walks	LS			(300)
Subtotal				9,207
Contingency (5%)				460
Total Contract Cost				9,667
Supervision, Inspection/Overhead (5%)				483
Total Request				10,150

10. DESCRIPTION OF PROPOSED CONSTRUCTION Maintenance and supply facilities with masonry walls, concrete foundation and floor slabs, steel frames, and built-up roofs. In addition to office space, maintenance functions include engine work bays, avionics, welding, electric, repair and reclamation, and hydraulics shops. Base Supply includes warehouse space for bulk and bin storage, packing and crating, receiving/issue, and weapons storage. Supply administrative space will provide for accounting, stock control, computer operations, and supplies management.
AIR CONDITIONING: 20 TONS

REQUIREMENT: 52,000SF (Maintenance) and 55,400SF (Supply); Adequate 0SF; Substandard 27,700SF (Leased Supply Space).
PROJECT: Construct a composite maintenance facility/supply complex.
REQUIREMENT: Conversion to the C-5A Aircraft requires significanty expanded facilities to provide specialized maintenance and supply support.
CURRENT SITUATION: The 105MAG is currently converting from O-2 aircraft to C-5A aircraft. There are no existing facilities for the performance of the necessary C-5A maintenance. The existing supply functions operate from leased WWII wood frame structures which are inadequate for the C-5A. The lease on these structures will not be renewed upon completion of this project.
IMPACT IF NOT PROVIDED: C-5A maintenance would have to be accomplished at other bases and would receive less priority than the on-station aircraft. In addition to an unacceptable maintenance backlog, forced utlization of inefficient, substandard supply facilities would have an adverse impact on the unit's operational readiness.

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

Stewart Airport, Newburgh, New York

4. PROJECT TITLE Composite Maintenance Facility/Supply Complex	5. PROJECT NUMBER 40847

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	May 85
(b) Percent Complete as of Jan 86	40
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Oct 86

(2) Basis:

(a) Standard of Definitive Design YES _X_ NO ___

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	530
(b) All Other Design Costs	500
(c) Total	1,030
(d) Contract	1,030
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Springfield MAP, Springfield, Ohio		4 AREA CONSTR COST INDEX 1.02

5 FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month; 15 days annual field training per year; daily use by technician force and for training.

6 OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

38 ARNG Units, 2 Navy Units (Reserve Centers), 2 Air Reserve Centers, 1 Air Reserve Wing, 2 Marine Reserve Units, 2 Army Reserve Units, Wright-Patterson AFB, and the Defense Electronics Supply Center (Dayton, Ohio).

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS	
				START	COMPLETE
842-245	Water/Sewer Lines	LS	1,100	6/85	7/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction

19 Dec 84
Date

9 LAND ACQUISITION REQUIRED None

Number of Acres

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
41267	ADAL Base Supply Warehouse/Mobility Storage	1,200
40845	Dining Hall/Medical Training/Admin	1,800

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

Springfield MAP, Springfield, Ohio

11 PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	318	2	9	307	1145	129	1016
ACTUAL	281	2	8	271	1031	105	926

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
162 TFG SQ	49	39
178 CEG FT	119	106
178 CLM SQ	308	292
178 CMN FT	39	34
178 COS SQ	95	78
178 RMS SQ	123	114
178 TCI CI	49	44
178 TFG GP	43	40
178 WSS FT	48	47
251 CCS GP	54	46
269 CCS SQ	218	183
8178 STU FT	0	8
TOTAL	1145	1031

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-7D Aircraft	18	19
Support Equipment	174	175
Vehicle Equivalents	230	179

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Springfield ANG Base Springfield, Ohio	4 PROJECT TITLE Water and Sewer Lines

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 842-245	7 PROJECT NUMBER 40165	8 PROJECT COST ($000) 1,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCT CITY WATER AND SEWER SERVICE	LS	-		998
Contingency (5%)				50
Total Contract Cost				1,048
Supervision, Inspection and Overhead (5%)				52
TOTAL REQUEST				1,100

10 DESCRIPTION OF PROPOSED CONSTRUCTION Design and construct a water distribution line and sewage line of adequate size to service the facilities located at the Springfield ANG Base, Ohio.

11. REQUIREMENT: LS ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct City Water and Sewer Service.

REQUIREMENT: The base requires a constant supply of high quality water. The existing base sanitary waste system does not comply with the current EPA standards and is unable to handle the current amount of waste material.

CURRENT SITUATION: The existing water supply comes from a shallow well located on the base. The water is of poor quality and must be chlorinated to maintain a safe source of potable water. Sand and silt found in the water creates maintenance problems (i.e. boilers, water heaters, flush valves). The existing water storage tower does not store enough water to maintain a constant water pressure. The existing sanitary waste system (septic tank and leach field) is under-sized and unable to handle the current waste load. It cannot meet EPA standards.

IMPACT IF NOT PROVIDED: The base water will continue to create maintenance problems. The future fire suppression system will not have adequate water supply or pressure. The sanitary waste system will have to be replaced to meet EPA standards.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Springfield MAP, Springfield, Ohio		
4 PROJECT TITLE Water/Sewer Lines		5 PROJECT NUMBER 41065

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Jun 85
(b) Percent Complete as of Jan 86	50
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Jul 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	55
(b) All Other Design Costs	20
(c) Total	75
(d) Contract	75
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

DD FORM 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION
Portland Air National Guard Base
Portland, OR 97218

4. AREA CONSTR COST INDEX
1.06

5. FREQUENCY AND TYPE OF UTILIZATION

Facility will operate from 0700 hours to 2239 hours five (5) days a week, Monday thru Friday and 0730 to 1600 hours a three weekends per month to support Unit Training Assembly (UTA) requirements.

6. OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS
Camp Withycomb (ARNG)
National Guard Armories (2)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
442-758	Base Supply Warehouse	59,395	4,600	8/84	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for Unilateral Construction

28 Jul 85
(Date)

9. LAND ACQUISITION REQUIRED

None

(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40747	Alter Various Buildings	4,500
40749	Add/Alter Buildings 1342/1332	2,200
40920	Add to Jet Fuel Operating Storage	3,500
40748	Add to Aircraft Parking Apron	3,500
40751	Add to Building 1335, Support Equipment Shop	600

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION
Portland Air National Guard Base
Portland, OR 97218

11 PERSONNEL STRENGTH AS OF
18 May 1984

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	689	24	194	471	1666	211	1455
ACTUAL	657	15	187	455	1758	207	1551

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HQ 142 Ftr Intcp Gp	50	46
123 Ftr Intcp Sq	76	70
142 Combat Spt Sq	92	101
142 Con Maint Sq	373	362
142 Sec POL Flt	81	85
142 Res Mgt Sq	132	128
142 USAF Clinic	59	70
142 Comm Flt	19	14
142 Civil Engr Flt	170	169
116 TACT Con Sq	266	254
244 Combat Comm Sq & 244 Combat Com Flt	307	310
HQ Oregon ANG	28	33
123 Weather Flt	13	12
Student Flt		104
TOTAL	1666	1758

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
HC-130	6	2
F-4C	22	22
C-131	1	1
T-33	4	4
HH-1H	5	5
UH-1N	5	5
VEHICLES	460	433
TOTAL	503	472

1 COMPONENT ANG	FY 19_ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Portland IAP, Oregon	4 PROJECT TITLE Base Supply Administration and Warehouse Facility

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 442-758	7 PROJECT NUMBER 40760	8 PROJECT COST ($000) 4,600

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BASE SUPPLY WAREHOUSE	SF	59,395		3,356
Administration	SF	(29,697)	(75)	(2,227)
Warehouse	SF	(29,698)	(38)	(1,129)
SUPPORTING FACILITIES				817
Electric	LS			(95)
Water/Sanitary Sewer/Gas	LS			(180)
Storm Drainage	LS			(45)
Site Improvements	LS			(250)
Roads, Parking & Walks	LS			(247)
SUBTOTAL				4,173
CONTINGENCY (5%)				208
TOTAL CONTRACT COST				4,381
SUPEERVISION INSPECTION & OVERHEAD (5%)				219
TOTAL REQUEST				4,600

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete foundation and floor slab, concrete tilt-up or insulated metal panel walls, sloped metal roof with standing lock seams and associated landscaping, pavements and utility systems. Functional areas include. packaging and crating, administrative areas, conference/classrooms, machine/supply room, RCA/DIFM administration and secured storage, clothing issue, base sales store, tool issue room, bench stock, arms vault, classified storage area, rubber room, main warehouse, local purchase, storage and handling area, latrines, paint and oil storage area, gas cylinder storage area, janitors closet, mechanical room, loading dock and exterior storage, base scales, transportation control unit, air cargo processing, air passenger processing, mobility control center, mobility holding area, and mobility processing unit.

AIR CONDITIONING: 10 TONS

11. REQUIREMENTS: 59,395 SF ADEQUATE: 0 SF SUBSTANDARD: 30,695 SF

PROJECT: To provide a modern base supply and warehouse facility to meet the needs of the mission and personnel of host and tenant units assigned to the Portland Air National Guard Base.

REQUIREMENTS: A facility to provide central warehousing, material processing, administration, and deployment center for all assigned units.

CURRENT SITUATION: Base consolidation will eliminate storage buildings being utilized by some units. Increase in personnel, aircraft and mission scope has nearly doubled current storage and supply requirements. The location of the existing base supply building prohibits expansion to meet base needs and (--continued next page--)

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 87

3. INSTALLATION AND LOCATION
PORTLAND IAP
Portland, OR 97217

4. PROJECT TITLE Base Supply Warehouse	5. PROJECT NUMBER 40760

CURRENT SITUATION: (CONTINUED)
will be used for WRSK/mobility bag storage for host and tenant organizations. Due to loss of their facilities, local Navy Reserve Forces will be assigned an office area and will utilize the air terminal and mobility area for their deployments.
IMPACT IF NOT PROVIDED: The existing facility no longer meets operational demands and continued use will have adverse impact on the efficiency and capability of this base to perform its assigned missions.

1 COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION
Portland Air National Guard Base
Portland, OR

4 PROJECT TITLE	5 PROJECT NUMBER
Base Supply Warehouse	40760

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Aug 84
(b) Percent Complete as of Jan 86	100
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Dec 85

(2) Basis:
(a) Standard of Definitive Design YES X NO __
(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	148
(b) All Other Design Costs	50
(c) Total	198
(d) Contract	198
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided fro other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1. COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION
North Smithfield ANG Station, N. Smithfield, RI 02876

4. AREA CONSTR COST INDEX
1.03

5. FREQUENCY AND TYPE OF UTILIZATION
Four Unit Training Assemblies per month, 15 days Annual Field Training per year, daily use by Technician/AGR force, and for Training.

6. OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS
10 Army National Guard Armories, 6 Army Reserve Facilities, 1 Marine Reserve Facility, and 1 Naval Reserve Facility

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-447	Communications Electronics Training Facility	21,064 SF	2,400	2/85	3/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Unilateral Construction Approved
16 APR 85
(Date)

9. LAND ACQUISITION REQUIRED
NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECTS		COST ($000)
40427	Comm/Elect Maint	700

DD FORM DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

NORTH SMITHFIELD ANG STATION, N. SMITHFIELD, RI 02876

11 PERSONNEL STRENGTH AS OF 30 MAY 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	42	3	39	-	280	31	249
ACTUAL	39	3	36	-	246	28	218

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
102d Tactical Control Squadron (CRC)	280	246

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
407L System (CRC) (includes associated support equipment)	1	1
Vehicle Equivalents	362.4	335.1

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION NORTH SMITHFIELD ANG STATION NORTH SMITHFIELD, RI	4 PROJECT TITLE Communications-Electronics Training Facility

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
59294F	171-447	40103	2400

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATIONS-ELECTRONICS TRAINING FACILITY		21064	84.65	1783
SUPPORTING FACILITIES				394
Electric Distribution System	LS	-		(274)
Water/Sanitary Sewer/Storm	LS	-		(60)
Site Improvement(s)	LS	-		(50)
Demolition	LS	-		(10)
SUBTOTAL				2177
CONTINGENCY (5%)				109
TOTAL CONTRACT COST				2286
SUPERVISION, INSPECTION & OVERHEAD (5%)				114
TOTAL REQUEST				2400

10 DESCRIPTION OF PROPOSED CONSTRUCTION

A two story Communications-Electronics Training Facility with masonry/curtain walls, concrete foundation, concrete floor slab(s), steel framework, steel deck with single-ply membrane roofing system and all necessary electrical, mechanical, and architectural systems. Functional areas include squadron administration, operations, dining hall, and kitchen. Replace existing antiquated base electrical distibution to adequately support new/existing facilities and "407L" Tactical Air Control Center (CRC) used to support USAF ADTAC mission. Demolish two existing substandard buildings.

AIR CONDITIONING: 60 TONS

11. REQUIREMENT: 21,064 SF ADEQUATE: 0 SUBSTANDARD: 13,129 SF

PROJECT: Construction of a new Communications-Electronics Training Facility and base electrical distribution system.

REQUIREMENT: The combat readiness of our tactical control squadron personnel and equipment is heavily dependent upon the type of facilities provided or available for equipment control, operations, utilization, and personnel training, management, and unit administration. Such facilities must be adequately sized, logically configured, and energy efficient to enhance overall training, operations, and management activities. Further, adequate and reliable electrical power must be provided to insure all tactical control radar/communications equipment assets are maintained in a fully operational status for deployment at a moments notice. This project will provide the above through the replacement of two buildings originally

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION NORTH SMITHFIELD ANG STATION, N. SMITHFIELD, RI 02876		
4. PROJECT TITLE Communications-Electronics Training Facility		5. PROJECT NUMBER 40103

11. (CONTINUED)
built by the U.S. Army to support a "Nike" air defense site about 28 years ago.
CURRENT SITUATION: Existing buildings as well as the base electrical distribution system simply do no meet present needs. The buildings are substantially undersized with deficient utility systems and little to no building insulation - resulting in excessive waste of heating oil each heating season. The existing administration building was designed as an open bay barracks. Accordingly, its current use as a headquarters building is totally foreign to its original purpose and clearly ineffective. Similarly, the existing dining hall was originally built to support about 75 personnel, and is currently used by about 250 people in several shifts. Renovation/ expansion of these existing buildings is not possible because of insufficient land area. Two temporary trailers are now used to help relieve the long-standing space deficiencies.
IMPACT IF NOT PROVIDED: Continued operation of the tactical control radar/communications-electronics functions in existing substandard facilities will not only result in continued waste of energy, but, more importantly, will simply worsen an already untenable and operationally inefficient situation which could impact adversely on personnel morale, training, retention/recruiting, and equipment readiness of the unit's mission.

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

NORTH SMITHFIELD ANG STATION, N. SMITHFIELD, RI 02876

4. PROJECT TITLE Communications-Electronics Training Facility, Phase I	5. PROJECT NUMBER 40103

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Feb 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Mar 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	105
(b) All Other Design Costs	70
(c) Total	175
(d) Contract	175
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1. COMPONENT	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION
McEntire ANG Base, South Carolina

4. AREA CONSTR COST INDEX
0.76

5. FREQUENCY AND TYPE OF UTILIZATION
Four unit training assemblies per month, 15 days annual training per year, daily use by technician force and for training.

6. OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS
5 Army National Guard Armories, 1 Air Force Base, 1 Army Base, 1 Naval Reserve, 1 Marine Corps Reserve, 2 Army Reserve

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
422-256	Munitions Maint/Stor Fac	13,800 SF	1,600	5/85	3/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Unilateral Construction Approved

28 Mar 85
(Date)

9. LAND ACQUISITION REQUIRED
None

(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECTS		COST ($000)
40199	Comm-Electronics Facility	2,800
40450	Fire Supp/Alarm System	950
40740	Fuel Cell/Corrosion Control	1,500
40844	Jet Fuel Stor/POL Ops/Ref Park	2,200
40742	Add/Alter Bldg 243 for A/C Maint	2,300
40200	Base Engineer Maintenance Facility	1,200
40201	Security Police/Disaster Prep Facility	800
40843	Addition to Vehicle Maintenance Facility	730

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

McEntire ANG Base, South Carolina

11 PERSONNEL STRENGTH AS OF 25 MAR 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	315	25	283	7	1382	123	1259
ACTUAL	297	25	265	7	1318	114	1204

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
169 TFG	42	41
157 TFS	57	53
169 CSS	106	107
169 CAM	564	462
169 CEF	124	123
169 CLN	32	36
169 WSS	48	46
169 RMS	130	122
169 CFS	39	40
8169 STUFLT	0	43
OLAA	8	7
HQ SCANG	25	22
240 CSS	207	216
TOTAL	1382	1318

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-16	24	25
C-131	1	1
Vehicle Equivalents	470.6	455.1
Support Equipment	145	131

DD FORM 1 DEC 76 1390s

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION McEntire ANG Base, South Carolina	4. PROJECT TITLE MUNITIONS MAINTENANCE AND STORAGE FACILITY

5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 422-256	7. PROJECT NUMBER 40741	8. PROJECT COST ($000) 1600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MUNITIONS MAINTENANCE AND STORAGE FACILITY	SF	13800		924
Maintenance Facility	SF	9800	80	(784)
Storage Facility		4000	35	(140)
SUPPORTING FACILITIES				527
Electrical	LS			(40)
Water, Sanitary Sewer	LS			(30)
Storm Drainage	LS			(7)
Demolition	LS			(50)
Site Improvement	LS			(80)
Roads, Parking & Walks	LS			(140)
Base Utilities Extension	LS			(180)
SUBTOTAL				1451
CONTINGENCIES(5%)				73
TOTAL CONTRACT COST				1524
SUPERVISION, INSPECTION & OVERHEAD (5%)				76
TOTAL REQUEST				1600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A single story munitions maintenance and storage facility with masonry and reinforced concrete walls, concrete foundation, concrete floor slab, and single ply roof. Includes necessary electrical and mechanical work. Functional areas to provide administrative, training, munitions maintenance, storage and checkout, and painting space.

AIR CONDITIONING: 5 TONS

11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SUBSTANDARD: 3,692 SF

PROJECT: Construct a facility for Munitions Maintenance and Storage.

REQUIREMENT: Facility to train assigned munitions personnel and to provide for maintenance and storage of aircraft munitions.

CURRENT SITUATION: The current munitions training facility is substandard and contains inadequate space for storage, maintenance and training. The existing site does not allow upgrade to meet munitions storage and quantity- distance requirements. The current facility will be demolished.

IMPACT IF NOT PROVIDED: The mission essential support provided by this activity and the training of the personnel assigned to this activity will be adversely affected if an adequate facility is not provided. The necessary training munitions cannot be stored with the current training facility because of the quantity-distance requirement. Separate storage, maintenance and training facilities will hinder the required support.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

McEntire ANG Base, South Carolina

4 PROJECT TITLE Munitions Maintenance & Storage Facility	5 PROJECT NUMBER 40741

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started	May 85
(b)	Percent Complete as of Jan 86	60
(c)	Percent Complete as of Oct 86	100
(d)	Date Design Complete	Mar 86

(2) Basis:

(a) Standard of Definitive Design YES X NO __

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

		($000)
(a)	Production of Plans & Specifications	81
(b)	All Other Design Costs	38
(c)	Total	119
(d)	Contract	119
(e)	In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Joe Foss Field, Sioux Falls, SD		4 AREA CONSTR COST INDEX 0.92

5 FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month; 15 days annual training per year; daily use, Monday through Saturday, by technician force and for training.

6 OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Two Army National Guard Armories, one Army/Navy Reserve facility

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
124-235	Jet Fuel Storage Complex	LS	2,500	9/84	12/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Revalidated

4 Sep 85
(Date)

9 LAND ACQUISITION REQUIRED

NONE

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40226	Weapons Release/Gun Systems Maintenance	800
41125	Flight Simulator Facility	1,000

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

Joe Foss Field, Sioux Falls, SD

11 PERSONNEL STRENGTH AS OF 1 Nov 84

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	269	20	244	5	893	98	795
ACTUAL	246	20	221	5	883	87	796

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HQ SDANG	23	18
114 TFG	42	36
175 TFS	49	47
114 CSS	96	82
114 CAMS	329	308
114 TAC CLINIC	27	23
114 CEF	110	109
114 WSSF	48	43
114 RMS	130	115
114 COMM FLT (SPT)	39	35
8114 STUDENT FLIGHT	-	67
TOTAL	893	883

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-7D AIRCRAFT	18	21
A-7K AIRCRAFT	1	1
C-131 AIRCRAFT	1	1
SUPPORT EQUIPMENT	83	83
VEHICLE EQUIVALENTS	231	220

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Joe Foss Field, Sioux Falls, SD	4 PROJECT TITLE JET FUEL STORAGE COMPLEX

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 124-235	7 PROJECT NUMBER 40459	8. PROJECT COST ($000) 2500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
JET FUEL STORAGE	BBL	5000		1356
Fuel Storage and Transfer	BBL	5000	200	(1000)
Fill Stand	Ea	2	175,000	(350)
Liquid Oxygen Storage	Gal	1000	6	(6)
SUPPORTING FACILITIES				912
Electric	LS			(150)
Water	LS			(55)
Storm Drainage	LS			(160)
Roads, Parking, and Walks	LS			(350)
Seeding, Sodding, and Landscaping	LS			(55)
Fencing	LF	1400	12.9	(17)
Demolition	LS			(125)
SUBTOTAL				2268
CONTINGENCY (5%)				113
TOTAL CONTRACT COST				2381
SUPERVISION, INSPECTION & OVERHEAD (5%)				119
TOTAL REQUEST				2500

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Two above-ground 2500 BBL storage tanks, two fill stands, and two 500 gal LOX storage tanks to be relocated to new site. Existing underground storage tanks to be demolished. Existing POL Operations Building to remain.

AIR CONDITIONING: NONE

11. REQUIREMENT: 5000 BBL ADEQUATE: 0 SUBSTANDARD: 2976 BBL

PROJECT: Construction of an above-ground 5000 BBL jet fuel storage complex, two fill stands, and liquid oxygen facility. Demolition of existing system.

REQUIREMENT: Existing underground facility is 42 years old and the five operating tanks do not meet local, State, or EPA standards. Recent test of tanks showed potential for contamination of municipal ground water supply. Existing system is 2000 BBL short of requirements.

CURRENT SITUATION: The five underground tanks are partially immersed in the aquifer supplying the City of Sioux Falls. Of seven additional tanks in the same system three have leaks and the other four have deteriorated where it is not reasonable to use them. The system is not vaulted as required. Two city wells are in the ANG Complex nearby.

IMPACT IF NOT PROVIDED: Because of the high potential for ground water contamination , a spill will result in shutdown of the fuel system and will require extensive groundwater pumping to reduce contamination. Authorities would not permit putting the system back into service. Mission could be totally impaired for several years until a new system is built.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO. b-106

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

Joe Foss Field, Sioux Falls, SD

4. PROJECT TITLE Jet Fuel Storage Complex	5. PROJECT NUMBER 40459

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Sep 84
(b) Percent Complete as of Jan 86	100
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Dec 85

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	98
(b) All Other Design Costs	28
(c) Total	126
(d) Contract	126
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ANG		1 JAN 86

3 INSTALLATION AND LOCATION	4 AREA CONSTR COST INDEX
Eastern West Virginia Regional Airport Martinsburg, WV	.95

5 FREQUENCY AND TYPE OF UTILIZATION

Four training assemblies per month, 15 days annual training per year, daily use by technician force for training and mission accomplishment. Weather permitting, week-end flying and night flying three nights per week.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Three Army National Guard Armories
Three Army Reserve Training Centers

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116-116	Shortfield Runway	23,359SY	2,500	2/85	11/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction

8 AUG 85
(Date)

9 LAND ACQUISITION REQUIRED

None

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT	COST ($000)
Phase I Ramp Addition	1,900
Composite Avionics/NDI	700

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ANG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3 INSTALLATION AND LOCATION
Eastern West Virginia Regional Airport
Martinsburg, WV

11 PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	254	22	190	42	1019	154	865
ACTUAL	249	22	186	41	1022	147	875

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HQ 167 TAG	43	49
167 TAS	83	95
167 CSS	106	94
167 CAMS	183	194
167 TC	28	31
167 RMS	121	128
167 WSSF	46	36
167 MAPF	84	79
167 AEF	123	84
167 CES	149	145
167 CF	24	29
Student Flight	29	58
TOTAL	1019	1022

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130B Aircraft	12	8
Support Equipment	82	81

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Eastern West Virginia Regional Airport Martinsburg (ANGB), WV	4 PROJECT TITLE Shortfield Runway

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 116-116	7 PROJECT NUMBER 40434	8 PROJECT COST ($000) 2,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SHORTFIELD RUNWAY	SY	23,350	24.40	569
SUPPORTING FACILITIES				1,699
Runway Lighting	CLF	(3,500)	(90.00)	(315)
Electrical	LS			(22)
Overrun	SY	(4,000)	(24.40)	(98)
Site Preparation	SY	(150,000)	(5.50)	(825)
Road	SY	(1,600)	(9.30)	(15)
Drainage	LS			(207)
Stabilized Shoulders	SY	(58,350)	(3.30)	(192)
Water, Natural Gas (relocate)	LS			(25)
Subtotal				2,268
Contingency (5%)				113
Total Contract Cost				2,381
Supervision, Inspection & Overhead (5%)				119
Total Request				2,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construction of an asphalt shortfield runway, complete with grass stabilized shoulders, overruns at each end, access road, lighting system, and drainage.

11. REQUIREMENT: 23,350 SY ADEQUATE: 0 SY SUBSTANDARD: 0 SY

PROJECT: Construction of a C-130-capable shortfield runway, 3,500' X 60' with asphalt surface. Runway will be complete with lighting, grass stabilized shoulders, drainage, overruns and access road.

REQUIREMENT: Required for shortfield landing requirements to satisfy aircrew readiness training. Aircraft commanders and co-pilots are required to accomplish 36 and 24 shortfield landings per year, respectively.

CURRENT SITUATION: Currently, all shortfield landings are accomplished at Pope AFB NC. It requires approximately 10,000 lbs of fuel to get aircraft to Pope AFB and return, which equates to approximately $2,000 per mission. In addition, the flying time is about 2 hours, round trip. For most of the aircraft commanders, one mission to Pope AFB per semi-annual training period is their only opportunity to accomplish the required shortfield landings.

IMPACT IF NOT PROVIDED: The unnecessary fuel expenditures of approximately $100,000 per year based on one mission per week will continue. The accumulation of non-productive flying hours on the airframes will continue. In addition, other units in the vicinity of Martinsburg WV will be able to utilize the shortfield runway, as well as the existing drop zone. This will have a substantial cost savings to the ANG and U.S. Government and allow unit aircraft to be used for productive missions. The primary benefit would be improved aircrew proficiency in this critically important maneuver, which will enhance the combat effectiveness and readiness of the unit.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION
Eastern West Virginia Regional Airport
Martinsburg, WV

4. PROJECT TITLE Shortfield Runway	5. PROJECT NUMBER 40434

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Feb 85
(b) Percent Complete as of Jan 86	65
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Mar 86

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

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(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	156
(b) All Other Design Costs	2
(c) Total	158
(d) Contract	158
(e) In-house	-0-

(4) Estimated Construction Start Date Mar 1987

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION Truax Field, Madison, WI		4 AREA CONSTR COST INDEX 1.04

5 FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies per month, 15 days Annual Field Training per year, daily use by the Technician work force and for other training.

6 OTHER ACTIVE GUARD RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

1 Army National Guard Center, 2 Army Reserve Centers, 1 Naval Reserve Center

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $000	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	Composite Squadron Ops	17,360 SF	2,200	4/85	7/86
211-157	Add to A/C Engine I&R NDI Shop	6,400 SF	900	4/85	2/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Unilateral Construction Approved

25 Jun 85
(Date)

9 LAND ACQUISITION REQUIRED

None

(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

PROJECT		COST ($000)
40405	Alter Auto Maint Shop	860
40410	Alter Building 403, Weapons Security	850

DD FORM 1 DEC 76 1390s
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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO

1 COMPONENT ANG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

TRUAX FIELD, MADISON, WI

11 PERSONNEL STRENGTH AS OF

1 APR 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	285	20	265	0	914	103	811
ACTUAL	206	13	193	0	866	94	772

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
128th TAC FTR WG	51	49
176th TAC FTR SQ	48	47
115th WEAPON SYST SCTR FLT	48	45
115th RES MGMT SQ	127	120
115th COMMUNICATIONS FLT	20	23
115th CIVIL ENGR FLT	123	117
115th TAC HOSPITAL	30	24
115th COMBAT SPT SQ	96	95
115th CONSOL ACFT MAINT SQ	341	319
HDQS WIS ANG	30	27
TOTAL	914	866

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-10	18	23
C-131	1	1
VEHICLE EQUIVALENTS	208.8	198.8
AGE EQUIPMENT	79	64

DD FORM 1 DEC 76 1390s

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION Truax Field, Madison, WI	4. PROJECT TITLE Composite Squadron Operations

5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 141-753	7. PROJECT NUMBER 40401	8. PROJECT COST ($000) 2200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE SQUADRON OPERATIONS	SF	17360	87	1510
SUPPORTING FACILITIES				485
Demolition of Existing Building	LS			(40)
Electric	LS			(54)
Water, Sanitary Sewer, Gas	LS			(22)
Storm Drainage	LS			(19)
Site Improvement	LS			(300)
Roads, Parking, Walks	LS			(50)
SUBTOTAL				1995
CONTINGENCY (5%)				100
TOTAL CONTRACT COST				2095
SUPERVISION, INSPECTION & OVERHEAD (5%)				105
TOTAL REQUEST				2200

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A Composite Squadron Operations and Disaster Preparedness Facility with masonry walls, concrete foundation, concrete floor slab and steel roof deck. Includes necessary electrical, structural, and mechanical work. Project also includes demolition of existing facility so the new facility can occupy the same site. Squadron areas to include office space, pilots locker room, pilots equipment storage, command post, flight planning, briefing rooms, operations room, and restrooms. Disaster Preparedness areas will include office, storage, and classroom space.

AIR CONDITIONING: 50 TONS

11. REQUIREMENT: 17360 SF ADEQUATE: 0 SUBSTANDARD: 14996

PROJECT: Construction of a Composite Facility. Squadron Operations will use 14,300 SF and Disaster Preparedness 3,000 SF.

REQUIREMENT: The base requires adequate facilities to house a Base Operations Center for the Fighter Squadron and a Disaster Preparedness function.

CURRENT SITUATION: Existing Squadron Operations is located in a wood-frame facility, constructed in 1951. Repair and alterations necessary to improve this facility are not cost effective. Disaster Preparedness needs to vacate its location as it presently occupies hangar space which should be restored to the aircraft maintenance functions.

IMPACT IF NOT PROVIDED: Effective training of squadron personnel will be severely impaired resulting in an adverse impact on operational readiness.

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1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION
TRUAX FIELD, MADISON, WI

4 PROJECT TITLE Composite Squadron Operations	5 PROJECT NUMBER 40401

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	Apr 85
(b) Percent Complete as of Jan 86	50
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Jul 86

(2) Basis:
(a) Standard of Definitive Design YES X NO ___
(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	109
(b) All Other Design Costs	43
(c) Total	152
(d) Contract	152
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION Truax Field, Madison, WI	4 PROJECT TITLE Add to Aircraft Engine Shop

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 211-157	7 PROJECT NUMBER 40437	8 PROJECT COST ($000) 900

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO AIRCRAFT ENGINE SHOP	SF	6400	119	766
SUPPORTING FACILITIES				50
Electric	LS			(10)
Site Improvement	LS			(20)
Roads, Parking, Walks	LS			(20)
SUBTOTAL				816
CONTINGENCY (5%)				41
TOTAL CONTRACT COST				857
SUPERVISION, INPSECTION, & OVERHEAD (5%)				43
TOTAL REQUEST				900

10 DESCRIPTION OF PROPOSED CONSTRUCTION Addition to the existing engine shop with materials similar to the existing facility. Includes steel frame with pre-cast concrete wall panels, concrete floor, and built-up roof. Necessary electric, structural, and mechanical systems shall be extended from the existing facility. Functional areas include auxiliary power unit maintenance, classroom, locker room, computer room, tool storage, engine storage, and a non-destructive inspection laboratory.
AIR CONDITIONING: 20 TONS

11 REQUIREMENT: 14,400 SF ADEQUATE: 8000 SF SUBSTANDARD: 0

PROJECT: Construction of addition to existing engine shop.

REQUIREMENT: The requirements for A-10 engine maintenance have recently been expanded, especially in computerized tracking of engine performance. Space is also required to store spare engines and for maintenance of the Auxiliary Power Units. A non-destructive inspection lab is needed to test aircraft parts without destroying them.

CURRENT SITUATION: The existing engine shop has been forced to convert its tool storage room for computers so tools and parts can no longer be placed behind locked doors. Spare engines are stored in work spaces and must constantly be moved around. There is no locker room or classroom. The NDI lab is housed in a deteriorated steel shed which does not meet X-ray shielding criteria.

IMPACT IF NOT PROVIDED: The engine shop will continue to operate inefficiently due to lack of adequate space. The NDI lab will continue to operate in a deteriorated and energy inefficient facility with the type of X-raying which can be done resulting in severe operational and mission impairment.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION

TRUAX FIELD, MADISON, WI

4 PROJECT TITLE Add to Aircraft Engine Shop	5 PROJECT NUMBER 40437

12. **SUPPLEMENTAL DATA:**

a. **Estimated Design Data:**

(1) Status:

(a) Date Design Started	Apr 85
(b) Percent Complete as of Jan 86	80
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Feb 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	41
(b) All Other Design Costs	26
(c) Total	67
(d) Contract	67
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86

3 INSTALLATION AND LOCATION Various	4 PROJECT TITLE Projects $400,000 and Under

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER Various	8 PROJECT COST ($000) $5,947

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
	LS			5,947
				5,947

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Following are individual justification paragraphs for all projects $400,000 and under.

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

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NGB-PP-No 77

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86

3 INSTALLATION AND LOCATION

Various Locations - Within the United States

4 PROJECT TITLE Projects $400,000 and Under	5 PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
CALIFORNIA Moffett NAS (ANG) PN 40875	Aircraft Parking Apron Shoulder	160

Project consists of constructing a 25-foot wide asphalt concrete shoulder for the existing aircraft parking apron. This construction is required to eliminate dust and debris from the unpaved area from being blown onto the apron by aircraft engine wash. The dust and debris creates a serious safety hazard to other parked and taxiing aircraft and to personnel working in the area. A serious safety hazard will continue without accomplishment of this project.

FLORIDA Jacksonville IAP PN 40298	Add/Alter Aircraft Engine Shop	360

This project adds to and alters existing aircraft engine inspection/repair and aerospace ground equipment shop to support newly assigned aircraft. Additions are required to expand the engine inspection and repair shop and provide for an adequate engine/module storage area. Alterations to the existing engine shop are necessary to provide a comprehensive maintenance area and meet aircraft conversion maintenance requirements.

FLORIDA Jacksonville IAP PN 40634	Special Fuels Facility	240

This facility is needed to accommodate hydrazine fuel associated with newly assigned aircraft. No such facility exists on base. The facility must be isolated and have a fuel spill containment system. The facility is essential to meet aircraft conversion maintenance requirements.

HAWAII Keaukaha Military Reservation PN 40305	Mobility Storage Facility	180

This project is for the construction of a mobility storage warehouse for the 201st Combat Communication Squadron. Unit mobility assets are currently at various locations on the island and, based on the stand-alone concept, are required to be at Keaukaha. This project will provide the required facility for the protection and consolidation of these assets.

1. COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86
3. INSTALLATION AND LOCATION Various Locations - Within the United States		
4. PROJECT TITLE Projects $400,000 and Under		5. PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
IDAHO Boise PN 40628	Dining Hall	150

This project is for the construction of a 200-man dining hall which will be used by the National Guard at Boise. Its construction fulfills an agreement to build this facility to replace World War II barracks and dining hall demolished to clear the site for an Air National Guard Operations and Training facility and a Base Engineer Maintenance facility, both constructed in the FY84 MCANG.

IDAHO Boise PN 40629	Airman Dormitory	320

This requirement is for the construction of a 200-man dormitory which will be used by the National Guard at Boise. Its construction fulfills an agreement to build this facility to replace World War II barracks and dining hall demolished to clear the site for an Air National Guard Operations and Training facility and a Base Engineer Maintenance facility, both constructed in the FY84 MCANG.

ILLINOIS Capital PN 40317	Aircraft Apron Security Lighting	120

This project will provide the proper illumination of aircraft and ground support systems, to preclude access of unauthorized personnel. This area is without lighting, except for that provided by Security Police patrol vehicles; the configuration of the taxiway prevents installation of security fencing. This project will provide additional security for both aircraft assets and personnel, and limit the vulnerability associated with open access and safety hazards due to darkness.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86

3 INSTALLATION AND LOCATION Various Locations - Within the United States	
4 PROJECT TITLE Projects $400,000 and Under	5 PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
IOWA		
Des Moines		
PN 41117	LANA Pod Maintenance Area	360

In late FY87, the 132nd Tactical Fighter Wing will be receiving a low altitude night attack (LANA) system for its A-7 aircraft. This project provides the maintenance and storage areas required for the detachable pods. Maintenance and security of this equipment will be seriously impaired without the accomplishment of this project.

KANSAS		
Forbes Field		
PN 40319	Alter Operations & Training Facility	172

Project consists of altering a portion of an existing facility for the 190th Air Refueling Group, Combat Support Squadron (CSS). It is necessary to relocate the CSS from their current facility to provide space for the expansion of the data automation and communications functions. These functions are receiving additional equipment which must be located in the space currently occupied by the CSS. This relocation is more cost effective than new facilities and is in compliance with the installation's master plan.

MASSACHUSETTS		
Otis AGB		
PN 40623	Alter Aircraft Engine Shop	210

This project alters Building 156 for an engine inspection and repair shop in support of the conversion of the 102nd Fighter Interceptor Wing from F-106 to F-16 aircraft. This alteration will provide additional engine maintenance bays and a bearing maintenance room. The altered areas, in conjunction with the remaining areas of the engine shop in this building, will provide adequate space for necessary maintenance on the F-16 engine, and is essential for the aircraft conversion.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible] 77

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION
Various Locations - Within the United States

4. PROJECT TITLE Projects $400,000 and Under	5. PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
MARYLAND Andrews AFB PN 40902	Alter Aircraft Maintenance Shop	300

This project is to alter the existing aircraft maintenance hangar for the Consolidated Aircraft Maintenance Squadron, and will consolidate the sheet metal operations into one fabrication shop. Existing space is inadequate. The base is forced to keep equipment sitting in crates because there is no room to install it. Completion of this project will correct the safety hazards which currently abound due to tight space and allow operation of essential equipment and aircraft maintenance.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
MISSOURI Rosecrans Memorial Aprt PN 40335	Add to Support Equipment Shop	180

This project consists of constructing an addition to the existing facility to provide adequate space for the painting and dispatch of support equipment, and for personnel training functions. Because of limited space, the training and dispatch functions are currently accomplished in the maintenance bay areas, and painting is accomplished outdoors during the summer months. This addition will allow painting to be done in a controlled environment and eliminate the critical space deficiency experienced by the dispatch and training personnel. Proper painting and timely dispatch and training will continue to be seriously impaired without this project.

STATE AND LOCATION	PROJECT TITLE	COST ($000)
MISSOURI St. Louis PN 41258A	Mobility Storage Warehouse	350

Project provides for construction of additional supply storage for the 131st Tactical Fighter Wing. The facility is required to eliminate a critical storage deficiency created by the unit's conversion from F-4C to F-4E and an increase in Primary Authorized Aircraft from 18 to 24. Without this project, the unit will be forced to continue operations in crowded conditions, creating safety hazards and affecting the accessibility and maintenance of the War Readiness Supply Kits.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86
3 INSTALLATION AND LOCATION Various Locations - Within the United States		
4 PROJECT TITLE Projects $400,000 and Under		5 PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
MONTANA		
Great Falls IAP		
PN 40388	Special Fuels Facility	190

This facility is needed to accommodate special fuels facility. No such facility exists on base. The facility must be isolated and have a fuel spill containment system. The project is essential to meet aircraft maintenance requirements.

NEBRASKA		
Lincoln		
PN 40339	Add/Alter Flightline Maintenance Shop	160

This requirement is for the construction of a flightline maintenance facility addition to and alteration of the existing hangar. Completion of this project will result in a secure storage area, and provide the required maintenance and training area currently non-existant. Continued operation in crowded conditions will have an adverse effect on the unit's mission and overall readiness.

NEW JERSEY		
Atlantic City Aprt		
PN 40753	Add/Alter Fuel Cell Maintenance Hangar	350

This project adds aircraft maintenance shop space to support assigned aircraft. Added space is for bladder and external fuel tank maintenance and a cleaning room. Contamination of fuel and improper maintenance of the aircraft fuel systems could have serious impact on the aircraft maintenance mission.

NEW MEXICO		
Kirtland		
PN 41118	LANA Pod Maintenance Shop	360

In late FY87, the 150th Tactical Fighter Group will be receiving a low altitude night attack (LANA) system for its A-7 aircraft. This project provides the maintenance and storage areas required for the detachable pods. Maintenance and security of this equipment will be seriously impaired without the accomplishment of this project.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86

3 INSTALLATION AND LOCATION

Various Locations - Within the United States

4 PROJECT TITLE Projects $400,000 and Under	5 PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
NEW YORK		
Hancock Field		
PN 40345	Mobility Storage Warehouse	170

The construction of this facility will provide adequate storage space for War Readiness Spares Kits (WRSK), mobility bags, and unit mobility equipment. Current conditions are such that the WRSK must be stored in the supply warehouse instead of on pallets; unit mobility equipment is stored in individual sections, rather than warehoused at one central point. The new facility will allow standard warehousing procedures and eliminate the safety hazards associated with serious overcrowding which impact mission capability and overall readiness.

OHIO		
Rickenbacker AGB		
PN 40460	Alter AGE Maintenance Shop	160

This project alters the space formerly occupied by a vehicle maintenance shop to provide a comprehensive AGE shop. Additional space in the brick/steel building became available for expansion of the AGE shop when several organizations consolidated their vehicle maintenance activities at one location. The project will upgrade the battery maintenance shop, latrines, administrative areas, electrical and mechanical systems, and provide energy improvements. Project is in support of the A-7D mission of the 121st Tactical Fighter Wing, and will allow them to operate within the guidelines of AFOSH safety standards.

OHIO		
Toledo Express Aprt		
PN 40090	Add to Fire Station	250

This project provides for an addition to the fire station which includes additional vehicle bays and maintenance area. The vehicle bays are severely needed since several firefighter vehicles must be taken out of service and pickled each winter to prevent damage from their having to remain outside in the severe weather. Current conditions are conducive to extensive loss and damage of aircraft, equipment, buildings, and life. Any such loss could severely impair mission capability.

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION Various Locations - Within the United States	
4. PROJECT TITLE Projects $400,000 and Under	5. PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
OKLAHOMA Tulsa IAP PN 40553	Add to ECM Pod Maintenance Shop	220

Project consists of constructing an addition to the existing avionics shop to provide a maintenance shop and storage area for electronic countermeasures (ECM) equipment. The ECM pods are sensitive equipment items that must be maintained in a controlled environment and stored in a secure area. Proper storage, protection, and maintenance will not be provided without this project.

OREGON Kingsley Field PN 40360	Alter Parachute and Dinghy Shop	250

The parachute/dinghy shop is a concrete masonry building that has been out of service for many years. This facility must be altered to provide adequate support for personnel and drag parachute maintenance for the Training Unit at Kingsley Field. Project includes correction of deficiencies in mechanical, electrical, and other systems needed to bring the facility up to the minimum standards for this essential maintenance function.

TEXAS Ellington Field PN 41010	Alter Weapons and Release Shop	224

Project alters Building 1254 to house the Weapons and Release Systems Shop. The current weapons and release shop must vacate its location in Hangar 1185 in order to support essential aircraft maintenance functions. Alteration of Building 1254 will provide the most economical solution, and will provide the function with an adequate facility.

TEXAS Kelly AFB PN 40575	Jet Blast Deflector	125

The conversion of the 149th TFG from F-4 to F-16 aircraft drives the need for a jet blast deflector. The deflection will protect buildings adjacent to the aircraft parking apron from the stronger blast of the F-16 engines.

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION

" Various Locations - Within the United States

4. PROJECT TITLE Projects $400,000 and Under	5. PROJECT NUMBER Various

STATE AND LOCATION	PROJECT TITLE	COST ($000)
WISCONSIN		
Truax Field		
PN 40404	Alter Base Engineer Maintenance Shop	386

This project renovates a former missile assembly and maintenance facility to better serve the restructured Civil Engineering Squadron which occupies it. Included in this project are electrical service upgrade, asbestos removal, replacement of HVAC equipment, wall insulation, and other safety/health measures.

1. COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION Various Locations (unspecified)	4. PROJECT TITLE Power Check Pad w/ Suppressor

5. PROGRAM ELEMENT 55294 F	6. CATEGORY CODE 116-665	7. PROJECT NUMBER	8. PROJECT COST ($000) 4000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POWER CHECK PAD	LS			3610
SUBTOTAL				3610
CONTINGENCY				190
TOTAL CONTRACT COST				3800
SUPERVISION, INSPECTION & OVERHEAD (5%)				200
TOTAL REQUEST				4000
Installed Equipment from other Appropriations				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Portland cement concrete suppressor foundation with access taxiway and service road, waste water collection system and oil separator. All utilities and other required support.

11. REQUIREMENT:

PROJECT: Provides adequate, planned facilities for conducting aircraft full power checks and jet engine testing in support of high performance fighter aircraft at various ANG bases. To provide jet engine test and aircraft trim pad capability in support of the testing required on high performance type aircraft.

CURRENT SITUATION: Power check pads, where existing, are not equipped with noise suppressors and are located in isolated areas of the bases. These existing pads are not of sufficient size and do not provide adequate foundations for the sound suppressors. The isolated locations of the existing power check pad makes it economically unfeasible to extend the utilities.

IMPACT IF NOT PROVIDED: Continued use of existing facilities for power check and engine testing operations will result in environmental abuse and increased complaints. Base personnel working in the vicinity of the check pad facility may suffer hearing loss due to the high noise level when aircraft engines are being run up. Construction of these facilities will assist the units in attaining mission ready status.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION VARIOUS LOCATIONS (UNSPECIFIED)	4 PROJECT TITLE Aircraft Arresting Systems (BAK 12/14)

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 116-922	7 PROJECT NUMBER	8 PROJECT COST ($000) 1700

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Aircraft Arresting System (BAK 12/14)	LS			1542
Subtotal				1542
Contingency (5%)				77
TOTAL CONTRACT COST				1619
SUPERVISION, INSPECTION & OVERHEAD (5%)				81
TOTAL REQUEST				1700

10 DESCRIPTION OF PROPOSED CONSTRUCTION

BAK 12 system includes installation of two arresting engines in concrete pits complete with foundations, hook cable, and tape tube. The BAK 14 system includes installation of cross runway retractable hook cable assembly, complete with heating elements and remote control. Power is required for, sump pump, dehumidifier, heat and exhaust fan. Includes tape sweep area, flush mount lights and remote control panel.

11. REQUIREMENT:

PROJECT: Aircraft Arresting System in support of current high performance aircraft at various ANG Bases.

REQUIREMENT: Safety stop tail hook equipped jet fighter aircraft in the event of aborted takeoff, emergency landing or brake failure. BAK 14 system retracts cross runway hook cable below the pavement surface to eliminate FAA, Commercial and general aviation objections to cable bounce and possible aircraft damage.

CURRENT SITUATION: Specific bases require an aircraft arresting system installation and other existing BAK 12 systems require the BAK 14 modification.

IMPACT IF NOT PROVIDED: Construction of these arresting systems, as a safety back-up for stopping aircraft, helps to reduce the loss of human life and expensive aircraft, contributing to flying safety and significantly enhancing the readiness posture of the units.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible]

1. COMPONENT	FY 19~~8~~87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG		1 JAN 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Various Locations (Unspecified)	FLIGHT SIMULATOR FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55294F	171-212		2683

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLIGHT SIMULATOR FACILITY	SF	5500		2433
SUPPORTING FACILITIES				
Electricity	LS			
Water, Sanitary Sewer & Heat	LS			
Storm Drainage	LS			
Site Improvement	LS			
Roads, Parking & Walks	LS			
SUBTOTAL				2433
CONTINGENCIES ([illegible]%)				122
TOTAL CONTRACT COST				2555
SUPERVISION, INSPECTION & OVERHEAD (5%)				128
TOTAL REQUEST				2683

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A Flight Simulator with masonry walls, concrete foundation, concrete-floor slab, built-up or single ply roof, including necessary electrical, mechanical, and structural work. Functional areas to include administrative, briefing, equipment, flight simulator and mechanical rooms.

AIR CONDITIONING: 40 TONS

11. REQUIREMENT: 5,500 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construction of a building to house an F-16 flight simulator.

REQUIREMENT: This project is required to house the F-16 flight simulator. Facility to provide briefing areas for pilot briefing prior to entering simulator, administrative areas for managing the simulator training functions, equipment and maintenance rooms for necessary equipment to operate and maintain the simulator.

CURRENT SITUATION: The F-16 flight simulator is new to the base and no existing facility is available to house the simulator.

IMPACT IF NOT PROVIDED: The pilots will not be able to receive flight simulator training on base. Flight simulator training is an essential requirement to meeting the mission's training requirements.

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987

APPROPRIATION: MILITARY CONSTRUCTION--AIR NATIONAL GUARD

PROGRAM 310: ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN $15,420,000

PART I - PURPOSE AND SCOPE

The funds are estimated in this program are to provide financing as required for project planning and design for the construction requirements of the Air National Guard.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Project Planning and Design $15,420,000 will provide for establishing project construction design for facilities and for achieving full evaluation of each project in terms of technical adequacy and estimated costs.

1 COMPONENT ANG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86

3 INSTALLATION AND LOCATION ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN	4 PROJECT TITLE ARCHITECTURAL AND ENGINEERING SERVICES & CONSTRUCTION DESIGN

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE 001-111	7 PROJECT NUMBER	8 PROJECT COST ($000) 15,420

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
				15,420

10 DESCRIPTION OF PROPOSED CONSTRUCTION

The funds requested for planning and design will provide for final design of facilities and to achieve full evaluation for each project in terms of technical adequacy and estimated cost. In addition, the funds are required to prepare working drawings, specifications and project reports, for the design of construction projects to be included in the Military Construction Program.

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987

APPROPRIATION: MILITARY CONSTRUCTION—AIR NATIONAL GUARD

PROGRAM 340: MINOR CONSTRUCTION, FY 1987 $2,130,000

PART I — PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates greater than $100,000 and not exceeding $400,000 which are not otherwise authorized by law.

PART II — JUSTIFICATION OF FUNDS REQUESTED

The funds required for Minor Construction $2,130,000 will provide for those projects for which the scope is such that they are not included in the regular Military Construction Program for the Air National Guard and such that they exceed the minor construction work authorized in the Operations and Maintenance Appropriation.

1 COMPONENT ANG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 Jan 86

3 INSTALLATION AND LOCATION Minor Construction ANG	4 PROJECT TITLE Minor Construction

5 PROGRAM ELEMENT 55294F	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000) 2,130

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Unspecified Minor Construction				2,130
Total Request				2,130

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost of $400,000 or less, including construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC. 2233a. The Secretary of the Air Force has the authority to accomplish projects of this nature according to 10 USC 2233a.

REQUIREMENT: This package provides the means of accomplishing projects not exceeding $400,000 that are not now identified, but which are anticipated to arise during FY87 to satisfy critical, unforeseen mission requirements.

Department of Defense

AIR FORCE RESERVE

AIR FORCE RESERVE

FY 87

MILITARY CONSTRUCTION PROGRAM

Justification Data Submitted to Congress

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987
MILITARY CONSTRUCTION PROGRAM

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DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM - FY 1987
(DOLLARS IN THOUSANDS)

STATE LIST

State/ Country	Installation and Project	Auth Amount	Approp Amount	DD FORM 1391 Page No
	INSIDE THE UNITED STATES			
Arizona	Luke AFB			
	Fuel System Maintenance Hangar	2,100	2,100	3
	Subtotal	2,100	2,100	
California	March AFB			
	Aerial Port Training Facility	1,980	1,980	7
	Composite Maintenance Facility	2,300	2,300	9
	Subtotal	4,280	4,280	
	Norton AFB			
	Alter 445 MAW HQ	180	180	73
	Subtotal	180	180	
Colorado	Peterson AFB			
	Composite Training Facility	1,060	1,060	13
	ADAL Security Police Facility (Joint Use)	200	200	73
	Subtotal.	1,260	1,260	
Illinois	Chicago O'Hare ARFF			
	Tactical Clinic (Joint Use)	750	750	17
	Subtotal	750	750	
Indiana	Grissom AFB			
	Avionics/DCM Facility (A-10)	1,800	1,800	21
	Subtotal	1,800	1,800	
Louisiana	Barksdale AFB			
	Alter Avionics/Squadron Operations	1,000	1,000	25
	Subtotal	1,000	1,000	

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM - FY 1987
(DOLLARS IN THOUSANDS)

STATE LIST

State/ Country	Installation and Project	Auth Amount	Amount	DD FORM 1391 Page No
	INSIDE THE UNITED STATES			
Maryland	Andrews AFB			
	Alter Fire Protection Sys Hangar 10	300	300	74
	Alter Fuel System Dock	160	160	74
	Alter Bldg for Mobile Aerial Port Squadron	110	110	74
	Subtotal	570	570	
Massachusetts	Westover AFB			
	Construct Fire Station	1,800	1,800	29
	Apron, Taxiway/Hydrant Fueling System	13,730	13,730	31
	Upgrade Hangar	6,505	6,505	33
	Upgrade Hydrant Refueling System	1,000	1,000	35
	Alter Squadron Operations	1,250	1,250	37
	Subtotal	24,285	24,285	
Michigan	Selfridge ANGB			
	Survival Equipment Shop	800	800	41
	Subtotal	800	800	
Ohio	Wright-Patterson AFB			
	Alter 401st CLSS Facility	200	200	75
	Subtotal	200	200	
	Youngstown			
	Add-Alter Squadron Operations	340	340	75
	Subtotal	340	340	
Oklahoma	Tinker AFB			
	Add to Terminal for Aerial Port	830	830	45
	Subtotal	830	830	

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM - FY 1987
(DOLLARS IN THOUSANDS)

STATE LIST

State/ Country	Installation and Project	Auth Amount	Approp Amount	DD FORM 1391 Page No
	INSIDE THE UNITED STATES			
Oregon	Portland IAP			
	Maintenance Hangar	3,900	3,900	49
	Add-Alter Medical Training Facility (Joint Use)	380	380	76
	Add to Base Warehouse (Joint Use)	400	400	77
	Subtotal	4,680	4,680	
Pennsylvania	Greater-Pitt IAP			
	Add-Alter Aerial Port Training Facility	620	620	53
	Subtotal	620	620	
Texas	Carswell AFB			
	Composite Training Facility	1,500	1,500	57
	Subtotal	1,500	1,500	
Utah	Hill AFB			
	Power Check Pad w/Suppressor	750	750	61
	Subtotal	750	750	
Wisconsin	Gen. Billy Mitchell Field			
	Construct Squadron Ops Facility	1,565	1,565	65
	Subtotal	1,565	1,565	
CONUS	AFR 3 - Classified Location			
	Alter Avionics Shop	650	650	68
	ADAL Miscellaneous Shops	1,350	1,350	70
	H-70 Service and Storage Facility	250	250	77
	Subtotal	2,250	2,250	
TOTAL INSIDE UNITED STATES		49,760	49,760	

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM - FY 1987
(DOLLARS IN THOUSANDS)

STATE LIST

State/ Country	Installation and Project	Auth Amount	Approp Amount	DD FORM 1391 Page No
	INSIDE THE UNITED STATES			
Worldwide	Unspecified Minor Construction	2,580	2,580	79
Worldwide	Arch & Eng Svcs and Const	6,560	6,560	80
	Subtotal	9,140	9,140	
	GRAND TOTAL	58,900	58,900	

SECTION 1 - Budget Appendix Extract

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

For acquisition, construction, expansion, rehabilitation and conversion of facilities for the training and administration of the Air Force Reserve, and contribution therefore, as authorized by Chapter 133 of Title 10, United States Code, as amended, and the Reserve Forces Facilities Acts, $58,900,000 ($66,800,000) to remain available until 30 Sep 1991 (30 September 1990).

Mil. Con., Air Force Reserve
Program and Financing (in Thousands of dollars) SUMMARY

04 Feb 86

Identification code 57-3730-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction	60,650	56,030	49,760	43,623	54,709	53,059
00.0201 Minor construction	2,250	2,000	2,580	1,673	2,057	3,172
00.0301 Planning	4,900	5,000	6,560	4,286	4,987	4,506
10.0001 Total	67,800	63,030	58,900	49,582	61,753	60,737
Financing:						
17.0001 Recovery of prior year obligations				-24		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-15,649	-33,721	-34,998
21.4007 Reprograming from/to prior year budget pls	-170					
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				33,721	34,998	33,161
25.0001 Unobligated balance lapsing	170			170		
40.0001 Budget authority (Appropriation)	67,800	63,030	58,900	67,800	63,030	58,900
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				49,582	61,753	60,737
72.4001 Obligated balance, start of year				37,893	49,589	56,936
74.4001 Obligated balance, end of year				-49,589	-56,936	-64,099
77.0001 Adjustments in expired accounts				6		
78.0001 Adjustments in unexpired accounts				-24		
90.0001 Outlays				37,868	54,406	53,574

Mil. Con., Air Force Reserve
Object Classification (in Thousands of dollars) SUMMARY

04 Feb 86

Identification code 57-3730-0-1-051	1985 actual	1986 est	1987 est.
Direct obligations:			
Other services:			
125.003 Contracts	958	102	191
132.001 Lands and structures	6,726	3,147	5,170
199.001 Total Direct obligations	7,684	3,249	5,361
Allocation Accounts			
Other services:			
325.003 Contracts	3,327	4,885	4,325
332.001 Lands and structures	38,571	53,619	51,051
399.001 Total Allocation Accounts	41,898	58,504	55,376
999.901 Total obligations	49,582	61,753	60,737
Obligations are distributed as follows:			
Defense-Military: Army	30,895	52,291	47,925
Defense-Military: Navy	11,003	6,213	7,451
Defense-Military: Air Force	7,684	3,249	5,361
Total Obligations	49,582	61,753	60,737

SECTION 2 - Installation and Project Justification Data
DD Forms 1390S/1, 1390S, 1391 and 1391C

1. COMPONENT USAFR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. AREA CONSTR COST INDEX 0.99

5. FREQUENCY AND TYPE UTILIZATION

Facility used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

None

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-179	Fuel Sys Maint Hangar	11,000 SF	2,100	JUN 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

18 Jul 84
(Date)

Recommended for unilateral construction

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
116-665	Hush House	LS	700	88

DD FORM 1 MAY 78 1390S/1 Page 1 of 2

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

LUKE AIR FORCE BASE, ARIZONA

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	60	0	2	58	422	64	358
ACTUAL	60	0	2	58	364	57	307

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
302 Special Operations Squadron	148	146
944 Civil Engineering Squadron	120	91
41 Medical Services Squadron	154	127
Total	422	364

NOTE: Upon the transfer of the present unit in 3rd quarter FY-87, the following unit will be activated:

944 Tactical Fighter Group 873 authorized

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
CH-3E	0	6
F-16C/D	24	0

NOTE: The aircraft transfer/delivery is scheduled for 4th quarter, FY-87.

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA	4. PROJECT TITLE FUEL SYSTEM MAINTENANCE HANGAR

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 211-179	7 PROJECT NUMBER NUEX 85-9447	8 PROJECT COST ($000) 2,100

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL SYSTEM MAINTENANCE DOCK	SF	11,000	91.00	1,001
SUPPORTING FACILITIES				899
ELECTRIC, TRANSFORMER AND RAMP LIGHTING	LS			(81)
WATER, SEWER AND GAS	LS			(46)
APRON, 11" PCC	SY	6,725	39.50	(266)
ASPHALT SHOULDER	SY	7,045	9.20	(65)
SITE IMPROVEMENT AND PAVEMENT DEMOLITION	LS			(23)
ROADS, PARKING, WALKS AND CURBS	LS			(19)
LIFT STATION AND OIL/WATER SEPARATOR	LS			(37)
SEISMIC, FENCING AND MECH VENTILATION	LS			(99)
SPRINKLER SYSTEM (AFFF AND WET PIPE)	LS			(123)
FIRE PROTECTION, BOOSTER PUMP, SUPPORT	LS			(140)
TOTAL COST				1,900
CONTINGENCY (5%)				95
TOTAL CONTRACT COST				1,995
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				100
TOTAL REQUEST				2095
TOTAL REQUEST (ROUNDED)				2,100

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a small aircraft maintenance hangar to consist of structured steel framing with insulated metal siding, motorized doors and AFFF fire protection system. Attached to both sides of the dock, the shops will be of masonry block construction on a reinforced concrete floor. All supporting utilities and pavements are included. Additionally, construct two additions to the existing 11" PCC apron and install ramp lighting.

Air Conditioning: 6 Tons.

11. REQUIREMENT: 11,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Provides a maintenance hangar with supporting shops, additional apron, and ramp lighting.

REQUIREMENT: A facility is required to provide a covered space for aircraft fuel systems repair and corrosion control. Requirements also exist for shop, storage and administrative areas, a fenced asphalt pad for external tank storage, and a concrete pad for an outdoor washrack. To adequately park the 24 assigned aircraft, two additions to the existing apron are required. Lastly, to provide adequate security, ramp lighting is needed.

CURRENT SITUATION: The existing reserve hangar will be upgraded to provide space for aircraft phase inspection. No other Reserve or Tactical Air Command host facilities are available to support the requirements for fuel systems repair and corrosion control. The existing apron can accommodate only 14 F-16 aircraft and ramp lighting is nonexistent.

IMPACT IF NOT PROVIDED: If this construction is not provided, the operational readiness of the assigned aircraft will be severely hampered.

U.S. GOVERNMENT PRINTING OFFICE [illegible]

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

LUKE AIR FORCE BASE, ARIZONA

4. PROJECT TITLE FUEL SYSTEM MAINTENANCE HANGAR	5. PROJECT NUMBER NUEX 85-9447

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... JUN 85

b. Percent Complete as of January 1, 1986 35

c. Percent Complete as of October 1, 1986 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X

b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e (\$000)

a. Production of Plans and Specifications........(0)

b. All Other Design Costs........................(0)

c. Total.. 240

d. Contract......................................(240)

e. In-house......................................(0)

4. CONSTRUCTION START.............................. NOV 86 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
NONE			

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		4. AREA CONSTR COST INDEX 1.18

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Air National Guard (on base)
Norton Air Force Base - 15 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-873	Aerial Port Training Facility	12,156 SF	1,980	APR 85	SEP 86
211-152	Composite Maintenance Facility	18,200 SF	2,300	APR 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

3 Oct 84
(Date)

Recommended for unilateral construction

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
510-125	Medical Training and Admin	8,000	1,000	89
171-443	Civil Engineer Training	6,000	850	91

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

MARCH AIR FORCE BASE, CALIFORNIA

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	350	0	6	344	1,655	310	1,345
ACTUAL	328	0	6	322	1,516	267	1,249

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
303 Tactical Airlift Squadron	77	64
452 Air Refueling Wing	709	688
452 Civil Engineering Squadron	132	140
414 Medical Services Squadron	142	132
79 Air Refueling Squadron	110	106
943 Tactical Airlift Group	387	317
Det 2 - 12 Hospital	98	69
Total	1,655	1,516

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
KC-135	8	8
KC-10	(Assoc)	(Assoc)
C-130B	8	8

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE

RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE AERIAL PORT TRAINING FACILITY

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 171-873	7 PROJECT NUMBER PCZP 87-0032	8 PROJECT COST ($000) 1,980

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AERIAL PORT TRAINING FACILITY	SF	12,156	105.00	1,276
SUPPORTING FACILITIES				511
ELECTRICAL	LS			(82)
WATER/SEWER/STORM DRAIN	LS			(41)
GAS	LS			(15)
SITE IMPROVEMENT	LS			(169)
SEISMIC (5%)	LS			(64)
PAVEMENTS	LS			(140)
TOTAL COST				1,787
CONTINGENCY (5%)				89
TOTAL CONTRACT COST				1,876
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				103
TOTAL REQUEST				1,979
TOTAL REQUEST (ROUNDED)				1,980

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a single-story training facility of concrete masonry walls with stucco exterior, concrete floor slab, metal stud furred walls, mission tile roof. Includes administrative space, classrooms, and a load build-up area.

11. REQUIREMENT: 12,156 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a 12,156 SF aerial port training facility.

REQUIREMENT: As part of the conversion of the 303 Aerospace Rescue and Recovery Squadron to the 943 Tactical Airlift Group, the 37 Mobile Aerial Port Squadron (MAPS) was activated on 1 April 1985. Adequate facilities are required to provide effective training and enable the unit to attain its required mission readiness capability.

CURRENT SITUATION: The 37 MAPS is temporarily operating from the 4,400 SF survival equipment shop. This space is inadequate and its use has forced the survival equipment function into other facilities which are not as well suited for that mission. No other suitable space is available at March AFB to support this new mission. The survival equipment function will move into this space when this construction is completed.

IMPACT IF NOT PROVIDED: Training procedures for the 37 MAPS will be seriously degraded and may negatively impact the attainment and maintainabilty of mission readiness capability. The survival equipment operation will also continue to be hampered by inadequate facilities.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
U.S. GOVERNMENT PRINTING OFFICE 1983 - 380-979/999

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE AERIAL PORT TRAINING FACILITY		5. PROJECT NUMBER PCZP 87-0032

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... APR 85

b. Percent Complete as of January 1, 19 86....... 35

c. Percent Complete as of October 1, 19 86....... 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ________

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 200
d. Contract.....................................(200)
e. In-house.....................................(0)

4. CONSTRUCTION START............................ APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE COMPOSITE MAINTENANCE FACILITY

5. PROGRAM ELEMENT 55394F	6. CATEGORY CODE 211-152	7. PROJECT NUMBER PCZP 87-0031	8. PROJECT COST ($000) 2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE MAINTENANCE FACILITY	SF	18,200	97.00	1,765
SUPPORTING FACILITIES				308
ELECTRICAL	LS			(66)
WATER/SEWER/STORM DRAINAGE	LS			(29)
GAS	LS			(3)
SITE IMPROVEMENT	LS			(15)
SEISMIC (5%)	LS			(88)
PAVEMENTS	LS			(107)
TOTAL COST				2,073
CONTINGENCY (5%)				104
TOTAL CONTRACT COST				2,177
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				120
TOTAL REQUEST				2,297
TOTAL REQUEST (ROUNDED)				2,300

10. DESCRIPTION OF PROPOSED CONSTRUCTION Concrete/masonry walls with stucco exterior, concrete floor slab, metal stud furred walls, mission tile roof. Paved parking area and paved, fenced corrosion control area.

11. REQUIREMENT: 18,200 SF ADEQUATE: 0 SUBSTANDARD: 9,068 SF

PROJECT: Construct an 18,200 SF composite aircraft maintenance facility.

REQUIREMENT: Conversion of the 303 Aerospace Rescue and Recovery Squadron to the 943 Tactical Airlift Group (8 PAA C-130B) has significantly increased the mission requirements for the engine inspection and repair (I&R) shop and the general purpose aircraft maintenance shop. The new facility will provide space for the C-130 engine I&R shop, propeller shop, a limited nondestructive inspection shop, corrosion control shop, repair and reclamation shop, a limited machine/metal processing shop, parts cleaning shop, a C-130 engine storage area and administrative offices.

CURRENT SITUATION: Unit is presently joint using facilities with the host base and the AFRES 452 Aerial Refueling Wing (Heavy). These facilities are undersized for the present mission and cannot support the new mission requirements. Joint use of some existing host maintenance shops will allow construction of less than the authorized amount of space.

IMPACT IF NOT PROVIDED: Inability of the unit to properly schedule and perform maintenance and training will negatively impact mission readiness.

U S GOVERNMENT PRINTING OFFICE 1980 - 380-979/999

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION MARCH AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE COMPOSITE MAINTENANCE FACILITY		5. PROJECT NUMBER PCZP 87-0031

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... APR 85

b. Percent Complete as of January 1, 19 86....... 35

c. Percent Complete as of October 1, 19 86....... 100

d. Date Design Complete......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 230
d. Contract.....................................(230)
e. In-house.....................................(0)

4. CONSTRUCTION START.............................. APR 87
(month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

☆U.S. G.P.O. 1977-241-150

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		4. AREA CONSTR COST INDEX 0.94

5. FREQUENCY AND TYPE UTILIZATION

Facility used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Ft Carson - 8 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-445	Composite Training Facility	10,400 SF	1,060	APR 85	SEP 86
171-443	Add-Alter to Security Police Facility	1,700 SF	200	DEC 84	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

18 Oct 85
(Date)

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
171-443	Civil Engineer Training	6,000	750	89
211-173	Acft Hangar/Apron	LS	4,700	89
218-712	AGE Shop/Storage	7,200	1,000	89
211-152	Comp Maint/Avionics/Gen Purp Shops	23,500	3,800	90
218-852	Survival Equip/NDI Shop	8,500	1,200	91

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

PETERSON AIR FORCE BASE, COLORADO

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	260	0	5	245	1,101	157	944
ACTUAL	186	0	5	181	855	126	729

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
302 Tactical Airlift Wing	808	591
731 Tactical Airlift Squadron	293	264
Total	1,101	855

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130B	16	16

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1. COMPONENT		2. DATE
USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	1 JAN 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PETERSON AIR FORCE BASE, COLORADO	COMPOSITE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55394F	171-445	TDKA 87-9000X1	1,060

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE TRAINING FACILITY	SF	10,400	81.00	842
SUPPORTING FACILITIES				117
SITE IMPROVEMENT	LS			(19)
UTILITIES	LS			(23)
PAVEMENT	LS			(44)
PREWIRING	LS			(14)
RELOCATE FAA CABLE	LS			(17)
TOTAL COST				959
CONTINGENCY (5%)				48
TOTAL CONTRACT COST				1,007
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				55
TOTAL REQUEST				1,062
TOTAL REQUEST (ROUNDED)				1,060

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a two-story composite training facility consisting of load bearing CMU walls with brick veneer, reinforced concrete slab on grade, and built-up roof over metal decking. Construction also includes all supporting utilities and pavements.
Air Conditioning: 30 Tons.

11. REQUIREMENT: 46,464 SF ADEQUATE: 36,064 SF SUBSTANDARD: 0 SF

PROJECT: Construction of a composite training facility.

REQUIREMENT: To accommodate the conversion of the 901 Tactical Airlift Group to the 302 Tactical Airlift Wing, (8 more C-130B aircraft were added), requirements exist for increased operational training space. With 420 additional personnel, increased space is required for the wing's command, administrative, and training functions.

CURRENT SITUATION: The recent activation (March, 85) of the 302 TAW increased manning levels by 70 percent. As such, the existing operational training facility is grossly undersized and thus adversely impacts unit training assemblies (UTAs). This facility will also make available additional space in an adjacent building and thus satisfy squadron operations space deficiencies.

IMPACT IF NOT PROVIDED: Unless additional space for the 302 TAW operational training function is provided, UTAs and unit readiness will continue to be hindered.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

U.S. GOVERNMENT PRINTING OFFICE: 1981 - [illegible]

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE COMPOSITE TRAINING FACILITY		5. PROJECT NUMBER TDKA 87-9000X1

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... APR 85

b. Percent Complete as of January 1, 19 86...... 35

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total... 110
d. Contract......................................(110)
e. In-house......................................(0)

4. CONSTRUCTION START................................ MAY 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

U.S. G.P.O. 1977-241-130/1610

1. COMPONENT
USAFR

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
1 JAN 86

3. INSTALLATION AND LOCATION
O'HARE AIR RESERVE FORCES FACILITY, ILLINOIS

4. AREA CONSTR COST INDEX
1.09

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Defense Supply Agency (DCASR) - on base
Illinois Air National Guard - on base
Naval Reserve - Glenview Naval Air Station - 10 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
510-411	Tactical Clinic (JOINT USE)	14,800 SF	750	MAY 85	MAR 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

30 Mar 83
(Date)

Recommended for unilateral construction

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
171-443	Comm Training	10,400	600	88
141-753	Squadron Operations	18,914	2,300	88
113-321	Apron	50,000 SY	5,450	91
171-449	Aeromedical Evacuation Squadron	10,200	1,400	91

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

O'HARE AIR RESERVE FORCES FACILITY, ILLINOIS

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD-RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	419	0	4	415	1,303	169	1,134
ACTUAL	464	0	4	460	1,394	174	1,220

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
928 Tactical Airlift Group	606	673
928 Civil Engineering Squadron	217	216
36 Medical Services Squadron	154	160
63 Aeromedical Evacuation Flight	61	67
91 Mobile Aerial Port Squadron	126	129
28 Mobile Aerial Port Squadron	139	149
Total	1,303	1,394

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130A	8	8

14. Outstanding Pollution and Safety (OSHA) Deffciencies

	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION O'Hare Air Reserve Forces Facility, IL (ANG)	4. PROJECT TITLE ANG/AFRES TACTICAL CLINIC (JOINT USE)

5. PROGRAM ELEMENT 55294F	6. CATEGORY CODE 171-450	7. PROJECT NUMBER DPNB 84-0115	8. PROJECT COST ($000) 800 ANG 750 AFRES

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANG/AFRES MEDICAL TRAINING FACILITY	SF	14,800	71.00	1,051
SUPPORTING FACILITIES				355
Electric	LS			(130)
Water, Sanitary Sewer and Heat	LS			(140)
Site Improvement	LS			(9)
Roads, Parking and Walks	LS			(76)
SUBTOTAL				1,406
CONTINGENCY (5%)				70
TOTAL CONTRACT COST				1,476
SUPERVISION, INSPECTION & OVERHEAD (5%)				74
TOTAL REQUEST				1,550

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A medical training facility with masonry walls, concrete foundation and floor slab, consisting of classrooms, conference room, medical examination rooms, urgent care room, medical supply storage rooms, pharmacy, dental examination rooms, optometry examination area, immunization area, EKG room, hearing examination room, X-ray room, laboratory, latrines, janitor's closet, mechanical equipment room, and utilities.

AIR CONDITIONING: 30 TONS

11. REQUIREMENT: 14,800 SF ADEQUATE: 0 SUBSTANDARD: 14,586 SF

PROJECT: Construction of a Joint-use ANG/AFRES medical training facility with access roadway and vehicle parking areas.

REQUIREMENT: The 126th USAF Clinic (ANG) and the 928th Tactical Clinic (AFRES) require a 14,800 SF consolidated medical training, administration and health services facility in support of the unit's mission requirements.

CURRENT SITUATION: These two medical units presently occupy 14,586 SF in a facility constructed in 1943. The building is poorly insulated and is functionally inadequate for efficient medical service and training. The present area will be converted to administrative space for the Defense Logistics Agency's DCASR Headquarters function.

IMPACT IF NOT PROVIDED: Required training, administration, and health science support to the ANG and AFRES units assigned to this base can not be performed in a timely, efficient, or effective manner with the present facility configuration and inadequacies. Continued use of the present facility seriously limits the medical unit's mission effectiveness and readiness.

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

O'Hare Air Reserve Forces Facility, IL

4. PROJECT TITLE ANG/AFRES Medical Training Facility	5. PROJECT NUMBER DPNB 84-0115

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	May 85
(b) Percent Complete as of Jan 86	60
(c) Percent Complete as of Oct 86	100
(d) Date Design Complete	Mar 86

(2) Basis:

(a) Standard of Definitive Design YES X NO ___

(b) Where design was most recently used:

---

(3) TOTAL COST (c) = (a) + (b) or (d) + (e)

	($000)
(a) Production of Plans & Specifications	76
(b) All Other Design Costs	31
(c) Total	107
(d) Contract	107
(e) In-house	-0-

(4) Estimated Construction Start Date Nov 1986

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	FY Appropriated or Requested	Cost ($000)
None			

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION GRISSOM AIR FORCE BASE, INDIANA		4. AREA CONSTR COST INDEX 1.06

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Army Reserve - 1 mile
National Guard Armory - 7 miles
National Guard Armory - 14 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217-712	Avionics/DCM Facility	13,500 SF	1,800	FEB 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

18 Sep 84
(Date)

Recommended for unilateral construction.

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
218-712	AGE Shop/Storage	7,200	1,000	88
171-445	Res Forces O&T/Sq Ops (A-10)	36,500	4,850	89
141-753	Squadron Operations (KC-135)	15,000	1,900	90
211-179	Fuel System Maint Dock (A-10)	11,000	1,800	90
171-443	Civil Engineer Training	8,000	980	90

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

GRISSOM AIR FORCE BASE, INDIANA

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	381	0	4	377	1,660	205	1,455
ACTUAL	369	0	4	365	1,644	186	1,458

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
434 Tactical Fighter Wing	844	823
931 Air Refueling Group	661	651
931 Civil Engineering Squadron	155	170
Total	1,660	1,644

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-10A	18	18
KC-135	6	8

14. Outstanding Pollution and Safety (OSHA) Deficiencies

	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION GRISSOM AIR FORCE BASE, INDIANA	4. PROJECT TITLE AVIONICS/DCM FACILITY (A-10)

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 217-712	7 PROJECT NUMBER CTGC 87-0019	8 PROJECT COST ($000) 1,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIONICS/DCM FACILITY (A-10)	SF	13,500		1,401
AVIONICS SHOP	SF	(7,500)	130.00	(975)
DCM FACILITY	SF	(6,000)	71.00	(426)
SUPPORTING FACILITIES				233
ELECTRIC	LS			(49)
WATER	LS			(13)
SANITARY SEWER	LS			(17)
HEAT	LS			(13)
SITE IMPROVEMENTS	LS			(5)
SEISMIC (1%)	LS			(18)
ROADS, PARKING AND WALKS	LS			(118)
TOTAL COST				1,634
CONTINGENCY (5%)				82
TOTAL CONTRACT COST				1,716
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				94
TOTAL REQUEST				1,810
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a new 13,500 square foot building to be used as an avionics and administrative facility. The construction consists of a pre-engineered metal structure on a concrete slab floor to include the necessary utility systems, parking area and driveways.
Air Conditioning: 40 Tons.

11. REQUIREMENT: 13,500 SF ADEQUATE: 0 SF SUBSTANDARD: 12,121 SF

PROJECT: Construct a new DCM administrative facility and avionics shop capable of supporting a new A-10 mission beddown.

REQUIREMENT: An administrative type area is required by the DCM to provide direction and control of personnel maintaining, scheduling and monitoring maintenance work. A facility of adequate size and configuration is required by the avionics branch to provide modern, climatically controlled shops for the maintenance and repair of airborne communications and navigation systems. This project is part of a phased MCP build to provide adequate facilities to support the conversion to the A-10 aircraft.

CURRENT SITUATION: Existing shops and administrative functions are in undersized buildings located in the established clear zone and thus violate airfield safety criteria. Additionally, as part of the base development plan, this area is being vacated in order to consolidate the reserve maintenance functions near the hangars which they support. Two of the buildings will be disposed while another will be relocated.

IMPACT IF NOT PROVIDED: Unless this facility is constructed near the reserve complex the effectiveness of maintenance actions will continue to be limited and airfield safety violations will not be eliminated.

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1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION GRISSOM AIR FORCE BASE, INDIANA		
4. PROJECT TITLE AVIONICS/DCM FACILITY (A-10)		5. PROJECT NUMBER CTGC 87-0019

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... FEB 85

b. Percent Complete as of January 1, 19 86....... 35

c. Percent Complete as of October 1, 19 86....... 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 144
d. Contract......................................(144)
e. In-house......................................(0)

4. CONSTRUCTION START................................ APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA		4. AREA CONSTR COST INDEX 0.94

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

U.S. Army Reserve Center - 8 miles
1st BN/156th INF (ARMY NG) - 8 miles
527th Engineer BN (ARMY NG) - 8 miles
CO I, 3rd BN, 23rd Marines - 8 miles
Naval Reserve Center - 8 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217-712/ 141-753	Alter Avionics/Sq Ops	20,466 SF	1,000	MAY 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

10 Jan 85
(Date)

Recommended for unilateral construction

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
214-425	RED HORSE Veh Maint Shop	15,000	1,880	90
422-256	Munitions Storage	12,900	1,850	90
171-445	Reserve Forces O&T (KC-10)	10,000	1,400	90

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

BARKSDALE AIR FORCE BASE, LOUISIANA

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	426	0	7	419	1,535	205	1,330
ACTUAL	397	0	7	390	1,371	176	1,195

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
917 Tactical Fighter Group	1,038	888
917 Civil Engineering Squadron	93	96
307 Civil Engineering Squadron Det 1	198	187
78 Air Refueling Squadron	110	106
11 USAF Contingency Hospital	96	94
Total	1,535	1,371

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
A-10	36	36

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA	4 PROJECT TITLE ALTER AVIONICS/SQUADRON OPERATIONS

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 141-753/ 217-712	7 PROJECT NUMBER AWUB 86-5610	8 PROJECT COST ($000) 1,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AVIONICS/SQUADRON OPERATIONS	SF	20,466		858
AVIONICS	SF	7,000	47.50	(333)
SQUADRON OPERATIONS	SF	13,466	39.00	(525)
TOTAL COST				858
CONTINGENCY (10%)				86
TOTAL CONTRACT COST				944
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				52
TOTAL REQUEST				996
TOTAL REQUESTED (ROUNDED)				1,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alter the existing reserve operations and training facility (Bldg 6815) to consist of the demolition and addition of interior walls, modifications to existing windows, doorways, latrines and HVAC system. A new concrete ramp, fencing, and a built-up roof is also included.

11. REQUIREMENT: 30,866 SF ADEQUATE: 10,400 SF SUBSTANDARD: 16,386 SF

PROJECT: Alteration of an existing facility to accommodate the avionics and squadron operations functions of the 917 Tactical Fighter Group.

REQUIREMENT: A facility of sufficient size and proper configuration is required by the 47 Tactical Fighter Squadron for mission planning, flight supervision, briefing, and critique of combat crews. Additionally, requirements exist for an adequately sized and environmentally controlled avionics shop. This shop performs vital maintenance on aircraft equipment to include communications, navigation, and electronic-countermeasure systems.

CURRENT SITUATION: The addition of the 46 Tactical Fighter Training Squadron has reduced the operations area previously assigned to the 47 TFS. As such, the 47 TFS performs its mission in greatly undersized space. The avionics function occupies an undersized and nonclimatically controlled hangar lean-to. The effectiveness of their maintenance work is severely hindered by this sub-standard facility. Bldg 6815 currently houses the 917 TFG headquarters functions which will be relocated to a new facility (FY85 MCP). This is the final project of a phased MCP build to provide facilities to support the second squadron of A-10 aircraft assigned to Barksdale AFB.

IMPACT IF NOT PROVIDED: Unless an adequately sized and properly configured facility is provided, the operational readiness and maintenance effectiveness will continue to be adversely affected. This alteration will accommodate both functions in a practical and economical manner.

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1 COMPONENT
USAFR

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
1 JAN 86

3. INSTALLATION AND LOCATION
BARKSDALE AIR FORCE BASE, LOUISIANA

4. PROJECT TITLE
ALTER AVIONICS/SQUADRON OPERATIONS

5. PROJECT NUMBER
AWUB 86-5610

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... MAY 85

b. Percent Complete as of January 1, 19 86...... 35

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 100
d. Contract......................................(100)
e. In-house......................................(0)

4. CONSTRUCTION START.............................. JAN 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

WESTOVER AIR FORCE BASE, MASSACHUSETTS

4. AREA CONSTR COST INDEX

1.08

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily for support of end mission aircraft for reserve flying training. Unit training assemblies are two days per month and 15 days of field training exercise per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Defense Supply Agency (DCSAR) - on base
Massachusetts Army National Guard - on base
Army Reserve - adjacent to base
Marine Corps Reserve - 7 miles
Naval Reserve - 7 miles
Coast Guard - 7 miles
MA Air National Guard - 10 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730-142	Fire Station	16,000 SF	1,800	APR 85	JAN 86
113-321	Apron/Taxiway/Hydrant Fuel	LS	13,730	MAY 85	OCT 86
211-111	Upgrade Hangar	128,400 SF	6,505	MAY 85	OCT 86
121-122	Upgrade Hydrant Refueling	LS	1,000	MAY 85	OCT 86
141-753	Alter Squadron Operations	22,000 SF	1,250	MAY 85	OCT 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

~~22 Oct 84~~
(Date)

Recommended for unilateral construction.

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
211-111	Maintenance Hangar	90,000	14,500	88
171-445	Res Forces O&T Facility	26,000	3,300	89
721-315	Alter Airmen Dormitories	5 EA	3,800	90
813-228	Relocate Switch Station	LS	700	90

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION
WESTOVER AIR FORCE BASE, MASSACHUSETTS

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	622	1	7	614	1,812	268	1,544
ACTUAL	645	1	7	637	1,881	255	1,626

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
439 Tactical Airlift Wing	993	1,052
905 Civil Engineering Flight	234	239
58 Mobile Aerial Port Squadron	126	127
59 Mobile Aerial Port Squadron	126	124
74 Aeromedical Evacuation Squadron	182	189
42 Mobile Aerial Port Squadron	151	150
Total	1,812	1,881

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130E	16	16
C-5A (Conversion)	16	0

14. Outstanding Pollution and Safety (OSHA) Deficiencies

	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS	4 PROJECT TITLE FIRE STATION

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 730-142	7 PROJECT NUMBER YTPM 87-0501	8 PROJECT COST ($000) 1,800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION	SF	16,000	93.00	1,488
SUPPORTING FACILITIES				142
ELECTRICAL	LS			(4)
WATER, SEWER, STORM DRAINAGE	LS			(9)
HEAT	LS			(20)
DEMOLITION	LS			(14)
SITE IMPROVEMENT	LS			(13)
ROADS, PARKING, WALKS	LS			(67)
FENCING, SECURITY LIGHTING	LS			(12)
COMMUNICATIONS SUPPORT	LS			(3)
TOTAL COST				1,630
CONTINGENCY (5%)				81
TOTAL CONTRACT COST				1,711
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				94
TOTAL REQUEST				1,805
TOTAL REQUEST (ROUNDED)				1,800

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a single story fire station, to consist of load bearing concrete block with brick facing, pre-engineered metal walls, concrete floor slabs, and a built-up roof over metal decking. Construction also includes paved parking, widened streets, walkways, security lighting and fencing.
Air Conditioning: 25 Tons.

11. REQUIREMENT: 16,000 SF ADEQUATE: 0 SF SUBSTANDARD: 15,000 SF

PROJECT: Construct a fire station complete with operational and personnel support areas.

REQUIREMENT: Contingent to a change of mission, the current fire station will be demolished. As a result, a new fire station is required to provide adequate fire protection for the new mission aircraft and existing structures. This fire station will support ten fire protection vehicles and include adequate space for personnel, administrative, operational, and maintenance functions.

CURRENT SITUATION: The beddown of a new strategic airlift mission will require increased aircraft parking areas. To provide for the additional ramp space, the facility which houses the base fire station is programmed for disposal (not included in this MCP project). A facility of adequate size and configuration does not presently exist. Therefore, precluding construction of additional aprons, a new fire station is the most feasible and economical alternative.

IMPACT IF NOT PROVIDED: The entire beddown of the new mission is predicated on the demolition of the existing fire station. Without a new facility, the base fire department will be unable to perform its mission.

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1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS		
4. PROJECT TITLE FIRE STATION		5. PROJECT NUMBER YTPM 87-0501

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started........................... APR 85

b. Percent Complete as of January 1, 19 86...... 85

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete........................... JAN 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 180
d. Contract......................................(180)
e. In-house......................................(0)

4. CONSTRUCTION START................................ APR 86 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS	4. PROJECT TITLE APRON, TAXIWAY AND HYDRANT FUELING SYSTEM

5. PROGRAM ELEMENT 55394F	6. CATEGORY CODE 113-321	7. PROJECT NUMBER YTPM 87-0504	8. PROJECT COST ($000) 13,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APRON, TAXIWAY AND HYDRANT FUELING SYSTEM	LS			10,544
PARKING APRON (CONCRETE)	SY	133,500	39.50	(5,273)
TAXIWAY AND SHOULDERS (ASPHALT)	SY	84,500	13.50	(1,141)
EXCAVATION	CY	215,000	1.70	(366)
NEW SUBBASE AND BASE	CY	270,000	5.60	(1,512)
NEW HYDRANT FUEL SYSTEM	LS			(2,252)
SUPPORTING FACILITIES				1,850
DEMOLITION	LS			(850)
SANITARY SYSTEM, STORM DRAINAGE	LS			(50)
ELECTRIC	LS			(766)
NEW WATER LINE AND FIRE HYDRANT	LF	3,000	50.00	(150)
ROADS, PARKING, WALKS	LS			(34)
TOTAL COST				12,394
CONTINGENCY (5%)				620
TOTAL CONTRACT COST				13,014
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				713
TOTAL REQUEST				13,730
TOTAL REQUEST (ROUNDED)				13,730

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct extensions to concrete parking apron, new asphalt taxiways and shoulders and an 1,200 GPM pressurized hydrant fuel system. Supporting work includes demolition of seven existing facilities and pavements, site preparation, relocation of existing primary electric circuit, new primary circuitry, new fire protection, new pump shed with control house, new taxiway lights and required storm drainage.

11. REQUIREMENT: 532,000 SY ADEQUATE: 398,500 SY SUBSTANDARD: 40,000 SY

PROJECT: Construction of concrete parking apron, asphalt taxiways and shoulders and a new pressurized hydrant fueling system.

REQUIREMENT: An adequate parking ramp, taxiway and a refueling system is required for support of the new Air Force reserve strategic airlift mission. This project will provide parking area and refueling capabilities for the new mission aircraft.

CURRENT SITUATION: Currently Westover AFB has adequate parking facilities for the present mission aircraft. However, the facilities are not adequate to support the permanent beddown of the new mission aircraft.

IMPACT IF NOT PROVIDED: The mission of these new strategic airlift aircraft will be severely hampered due to limited fueling, parking, taxiing and maintenance capabilities.

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS		
4. PROJECT TITLE APRON, TAXIWAY AND HYDRANT REFUELING SYSTEM		5. PROJECT NUMBER YTPM 87-0504

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... MAY 85

b. Percent Complete as of January 1, 1986....... 35

c. Percent Complete as of October 1, 1986....... 100

d. Date Design Complete.......................... OCT 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications.......(0)
b. All Other Design Costs.......................(0)
c. Total.. 1,400
d. Contract.......................................(1,400)
e. In-house.......................................(0)

4. CONSTRUCTION START.................................. APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

☆U.S. G.P.O. 1977-241-180/1218

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS	4 PROJECT TITLE UPGRADE HANGAR

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 211-111	7 PROJECT NUMBER YTPM 87-0507	8 PROJECT COST ($000) 6,505

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UPGRADE HANGAR	SF	128,400	39.50	5,072
SUPPORTING FACILITIES				533
ELECTRIC	LS			(7)
TRANSFORMER	LS			(23)
SANITARY SEWER	LS			(20)
HEAT	LS			(35)
FENCING	LS			(3)
SECURITY LIGHTS	LS			(5)
FIRE PROTECTION	LS			(440)
TOTAL COST				5,605
CONTINGENCY (10%)				561
TOTAL CONTRACT COST				6,166
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				339
TOTAL REQUEST				6,505

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alterations to the maintenance hangar include interior refurbishment, construction of a fire wall, and upgrade to the utilities and building systems, deluge pump station, water storage tank, and industrial waste storage.

11. REQUIREMENT: 128,400 SF ADEQUATE: 0 SF SUBSTANDARD: 128,400 SF

PROJECT: The project upgrades an abandoned maintenance hangar and the associated utilities, building, and fire protection systems.

REQUIREMENT: An upgrade to the deactivated hangar is required to provide adequate and protected space for maintenance of the C-5 aircraft. The two docks separated by a fire wall will serve as a field maintenance bay and a fuels maintenance bay. Upgrades to the fire protection system consist of restoration of the deluge pump station and the 500,300 gallon concrete water storage tank. Maintenance shops within the hangar will also be upgraded to minimum standards.

CURRENT SITUATION: The existing maintenance hangar has been inactive for several years. All utilities and building systems have been disconnected and abandoned. Currently, Westover AFB does not have covered maintenance space to accommodate the new mission aircraft.

IMPACT IF NOT PROVIDED: Without an upgrade to the existing hangar, field and fuels maintenance on the C-5 aircraft will have to be accomplished outdoors. This condition is unsuitable and detrimental to the new mission.

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1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS		
4 PROJECT TITLE UPGRADE HANGAR		5. PROJECT NUMBER YTPM 87-0507

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... MAY 85

b. Percent Complete as of January 1, 19 86...... 35

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete.......................... OCT 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e (\$000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs.........................(0)
c. Total.. 600
d. Contract.......................................(600)
e. In-house.......................................(0)

4. CONSTRUCTION START................................ APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
NONE			

1 COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS	4 PROJECT TITLE UPGRADE HYDRANT REFUELING SYSTEM

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 121-122	7 PROJECT NUMBER YTPM 87-0505	8 PROJECT COST ($000) 1,000

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UPGRADE HYDRANT REFUELING SYSTEM	LS			859
MECHANICAL UPGRADE FOR PUMP HOUSES				(109)
ELECTRICAL UPGRADE FOR PUMP HOUSES				(7)
MECHANICAL UPGRADE FOR HYDRANT SYSTEMS				(381)
ELECTRICAL UPGRADE FOR HYDRANT SYSTEMS				(362)
TOTAL COST				859
CONTINGENCY (10%)				86
TOTAL CONTRACT COST				945
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				52
TOTAL REQUEST				997
TOTAL REQUEST (ROUNDED)				1,000

10 DESCRIPTION OF PROPOSED CONSTRUCTION Modify two existing JP-4 jet fuel aircraft hydrant systems by reactivating the presently deactivated half of both systems. The presently active portions of both systems each have 600 GPM pumping capacity. The proposed work will provide an additional 600 GPM pumping capacity to each system. This will include installation of the missing equipment, accessories, and piping in the two pump houses and in the two hydrant systems; minor alterations of piping; replacement of control cables and motor feeder conductors from pump houses to hydrant outlets in the deactivated portion and from the control pits to the hydrant outlets in the active portion.

11. REQUIREMENT: 1,200 GPM ADEQUATE: 0 GPM SUBSTANDARD: 600 GPM

PROJECT: Modify and upgrade the existing jet fuel aircraft hydrant system.

REQUIREMENT: A refueling/defueling system with adequate capacity to service the C-5 aircraft is required to support of the new Air Force reserve strategic airlift mission. The upgrade will provide fueling outlets for seven C-5 aircraft.

CURRENT SITUATION: Currently Westover AFB has an adequate hydrant system for the present mission. However, the hydrant system does not have pumping capacity required for the much larger C-5 aircraft. Electrical wiring shows signs of deterioration.

IMPACT IF NOT PROVIDED: The mission of these new strategic airlift aircraft will be severely hampered because of limited refueling and defueling capabilities.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
U.S. GOVERNMENT PRINTING OFFICE 1980 - 380-979/999

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS		
4. PROJECT TITLE UPGRADE HYDRANT REFUELING SYSTEM		5. PROJECT NUMBER YTPM 87-0505

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started........................... MAY 85

b. Percent Complete as of January 1, 19 86...... 35

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete........................... OCT 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X

b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)

b. All Other Design Costs........................(0)

c. Total.. 81

d. Contract......................................(81)

e. In-house......................................(0)

4. CONSTRUCTION START.............................. APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1 COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS	4 PROJECT TITLE ALTER SQUADRON OPERATIONS

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 141-753	7 PROJECT NUMBER YTPM 87-0506	8 PROJECT COST ($000) 1,250

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER SQUADRON OPERATIONS	SF	22,000	49.00	1,078
STRUCTURAL/ARCHITECTURAL	LS			(428)
ELECTRICAL	LS			(148)
PLUMBING	LS			(45)
MECHANICAL	LS			(233)
ASBESTOS REMOVAL	LS			(224)
TOTAL COST				1,078
CONTINGENCY (10%)				108
TOTAL CONTRACT COST				1,186
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				65
TOTAL REQUEST				1,251
TOTAL REQUEST (ROUNDED)				1,250

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alterations to the office sections of the base hangar include a redesign of the areas for a more efficient layout; construction of new walls; new carpet, flooring, ceiling and lighting; an upgrade to the HVAC and electrical systems; and removal of asbestos.

11. REQUIREMENT: 30,000 SF ADEQUATE: 8,000 SF SUBSTANDARD: 21,504 SF

PROJECT: The project alters the present squadron operations facility to accommodate the change of mission to the C-5 aircraft.

REQUIREMENT: Alterations to the squadron operations facility are required to provide an expanded and properly configured area. The project includes all command, administrative, training, flight planning and flight debriefing space. It also provides a locker room and shower and expansion of the main briefing room (150 to 225 seats). The existing utility systems will also be upgraded.

CURRENT SITUATION: The present squadron operations function is manned with 184 personnel and is located in undersized areas. Additionally, these areas are poorly configured and functionally separated. As such, they are inadequate to support the flight operations and training of the new 439-person mission.

IMPACT IF NOT PROVIDED: Without an adequate facility, the operational and training effectiveness of the new mission will be adversely affected.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

U.S. GOVERNMENT PRINTING OFFICE 1983 - 380-575/[illegible]

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION WESTOVER AIR FORCE BASE, MASSACHUSETTS		
4. PROJECT TITLE ALTER SQUADRON OPERATIONS		5. PROJECT NUMBER YTPM 87-0506

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... MAY 85

b. Percent Complete as of January 1, 19 86...... 35

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete......................... OCT 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X

b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)

b. All Other Design Costs........................(0)

c. Total.. 112

d. Contract.....................................(112)

e. In-house.....................................(0)

4. CONSTRUCTION START............................ APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT
USAFR

FY 1987 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
1 JAN 86

3. INSTALLATION AND LOCATION
SELFRIDGE AIR NATIONAL GUARD BASE, MICHIGAN

4. AREA CONSTR COST INDEX
1.14

5. FREQUENCY AND TYPE UTILIZATION
Four unit training assemblies per month; two fifteen day annual field training periods; daily use by technicial force and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
Five Army Reserve Centers, two Army Guard Armories, one Naval Armory, Naval Air Facility, Detroit (Selfridge)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218-852	Survival Equipment Shop	6,600 SF	800	AUG 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
5 Apr 85
(Date)

Unilateral construction.

9. LAND ACQUISITION REQUIRED
None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
171-873	Aerial Port Training	14,156	1,800	91

1 COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

SELFRIDGE AIR NATIONAL GUARD BASE, MICHIGAN

11 PERSONNEL STRENGTH AS OF 30 Nov 84

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	286	0	4	282	1,192	174	1,018
ACTUAL	296	0	4	292	1,201	169	1,032

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
927 Tactical Airlift Group Headquarters	566	599
45 Aeromedical Evacuation Flight	61	57
927 Civil Engineering Squadron	207	194
29 Mobile Aerial Port Squadron	138	120
305 Aerospace Rescue and Recovery Squadron	220	231
Total	1,192	1,201

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130A	8	8
HC-130H	2	2
HC-130N	2	2
HH-3E	4	4

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION SELFRIDGE AIR NATIONAL GUARD BASE MICHIGAN	4 PROJECT TITLE SURVIVAL EQUIPMENT SHOP

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 218-852	7 PROJECT NUMBER VGLZ 87-0106	8 PROJECT COST ($000) 800

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURVIVAL EQUIPMENT SHOP	SF	6,600	79.00	521
SUPPORTING FACILITIES				202
ELECTRIC/GAS	LS			(34)
WATER/SEWER/STORM DRAINAGE	LS			(81)
SEISMIC (1%)	LS			(5)
SITE IMPROVEMENT	LS			(66)
PAVEMENTS	LS			(16)
TOTAL COST				723
CONTINGENCY (5%)				36
TOTAL CONTRACT COST				759
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				42
TOTAL REQUEST				801
TOTAL REQUEST (ROUNDED)				800

10 DESCRIPTION OF PROPOSED CONSTRUCTION A survival equipment shop with masonry walls, concrete foundation and floor, drying tower and climate control, necessary utility connections, parking and sitework.

11. REQUIREMENT: 6,600 SF ADEQUATE: 0 SF SUBSTANDARD: 8,928 SF

PROJECT: Construction of a joint use survival equipment shop to support the 927 Tactical Airlift Group and the 305 Aerospace Rescue and Recovery Squadron.

REQUIREMENT: Maintenance, repair and storage of required survival and life support equipment for two diverse flying units.

CURRENT SITUATION: Present facility is a converted basement in a building constructed as a dormitory in 1928. Mission operation and training capabilities are hampered by low ceilings, exposed utilities, and extreme difficulty in maintaining climate control and cleanliness. The existing space will be used to store mission equipment that does not require climate controlled space.

IMPACT IF NOT PROVIDED: Continued use of inadequate space will negatively impact accomplishment of mission and jeopardize quality of survival and life support equipment. The useful life of the survival equipment is being shortened by the poor climate control capability of the existing facility.

U.S. GOVERNMENT PRINTING OFFICE 1983 - 380-979/999

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86
3. INSTALLATION AND LOCATION SELFRIDGE AIR NATIONAL GUARD BASE, MICHIGAN		
4. PROJECT TITLE SURVIVAL EQUIPMENT SHOP		5. PROJECT NUMBER VGLZ 87-0106

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... AUG 85

b. Percent Complete as of January 1, 19 86...... 35

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e (\$000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 80
d. Contract......................................(80)
e. In-house......................................(0)

4. CONSTRUCTION START.............................. APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
NONE			

1. COMPONENT
USAFR

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
1 JAN 86

3. INSTALLATION AND LOCATION
TINKER AIR FORCE BASE, OKLAHOMA

4. AREA CONSTR COST INDEX
0.99

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Army Forces Reserve Center - 5 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-873	Add to Terminal for Aerial Port	5,000 SF	830	AUG 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
21 May 85
(Date)

9. LAND ACQUISITION REQUIRED
None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
219-944	Civil Engineer Training Facility	6,000	700	88

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

TINKER AIR FORCE BASE, OKLAHOMA

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	320	0	5	315	1,413	142	1,271
ACTUAL	298	0	5	293	1,272	138	1,134

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
507 Tactical Fighter Group	995	944
72 Aerial Port Squadron	126	122
403 Combat Logistics Support Squadron	200	211
507 Civil Engineering Squadron	92	107
Total	1,413	1,384

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-4D	24	25

14. Outstanding Pollution and Safety (OSHA) Deffciencies

	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE

RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4 PROJECT TITLE ADD TO TERMINAL FOR AERIAL PORT

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 171-873	7 PROJECT NUMBER WWYK 87-0039	8 PROJECT COST ($000) 830

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADD TO TERMINAL FOR AERIAL PORT	SF	5,000		667
ADDITION	SF	5,000	85.00	(425)
MODIFICATION TO EXISTING STRUCTURE	LS			(242)
SUPPORTING FACILITIES				47
ELECTRIC	LS			(11)
WATER, SEWER	LS			(9)
HEAT	LS			(7)
SEISMIC	LS			(20)
TOTAL COST				714
CONTINGENCY (10%)				71
TOTAL CONTRACT COST				785
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				43
TOTAL REQUEST				828
TOTAL REQUEST (ROUNDED)				830

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a second story addition to the existing air freight terminal building. Construction consists of steel framing, reinforced concrete walks, floor slab, and roof deck with rigid insulation and built-up roofing. Alterations to the existing frame structure and utility connections are also included.

Air Conditioning: 14 Tons.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SF SUBSTANDARD: 3,502 SF

PROJECT: Construction of an aerial port training facility.

REQUIREMENT: A facility of sufficient size is required to provide for the administrative and training functions of the 72 Aerial Port Squadron. This facility will include command, administrative, classroom, supply and storage space. An additional prerequisite for the unit's effectiveness is its proximity to flightline operations, especially the air freight terminal.

CURRENT SITUATION: The 72 APS presently occupies a portion of a wood frame building constructed in 1942. This facility is scheduled for demolition so as to accommodate a permanent AWACS support facility. Their assigned area is undersized, thus inhibiting the unit training assemblies (UTAs) for the assigned reservists. The unit's manning was increased from 64 authorizations to a total of 126 authorizations on 1 Oct 83. The facility is located one mile from flightline operations and hampers the unit's span of control. Therefore, the air freight terminal building provides both a suitable location and a compatible mission for the 72 APS addition.

IMPACT IF NOT PROVIDED: Until a suitable and adequately sized facility is built, the training programs and mobility capabilities of the aerial port function will continue to be hindered.

U.S. GOVERNMENT PRINTING OFFICE [illegible]

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE ADD TO TERMINAL FOR AERIAL PORT		5. PROJECT NUMBER WWYK 87-0039

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... AUG 85

b. Percent Complete as of January 1, 19 86...... 35

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e (\$000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs.........................(0)
c. Total.. 83
d. Contract.......................................(83)
e. In-house.......................................(0)

4. CONSTRUCTION START.............................. APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
NONE			

☆U.S. G.P.O. 1977-241-190/1515

1. COMPONENT USAFR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION PORTLAND INTERNATIONAL AIRPORT, OREGON		4. AREA CONSTR COST INDEX 1.05

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Air National Guard - on base
Oregon Army Guard - on base
Marine Corps Reserve, Naval Reserve - Portland - 5 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211-111	Maintenance Hangar	26,400 SF	3,900	APR 85	SEP 86
510-411	ADAL Medical Training Facility	3,000 SF	380	OCT 85	SEP 86
422-758	Add to Base Warehouse	10,000 SF	400	JUN 85	MAY 87

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

25 Jul 84
(Date)

Approved for unilateral construction

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
171-445	Pararescue Facility	10,000	1,350	88
171-445	Reserve Forces O&T	15,000	1,900	88
171-443	Civil Engineering Training	6,000	750	89

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

PORTLAND INTERNATIONAL AIRPORT, OREGON

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	165	0	1	164	670	110	560
ACTUAL	134	0	1	133	467	77	390

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
304 Aerospace Rescue and Recovery Squadron	393	286
939 Aerospace Rescue and Recovery Group	151	71
83 Aerial Port Squadron	126	110
Total	670	467

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
UH-1N	5	5
HH-1H	5	5
HC-130H	6	6

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND INTERNATIONAL AIRPORT, OREGON	MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55394F	211-111	TQKD 87-0109	3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR	SF	26,400	81.00	2,138
SUPPORTING FACILITIES				1,360
ELECTRICAL	LS			(46)
WATER	LS			(24)
GAS	LS			(7)
SANITARY SEWER	LS			(15)
DEMOLITION	LS			(305)
SITE IMPROVEMENT	LS			(499)
AFFF SYSTEM	LS			(464)
TOTAL COST				3,498
CONTINGENCY (5%)				175
TOTAL CONTRACT COST				3,673
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				202
TOTAL REQUEST				3,875
TOTAL REQUEST (ROUNDED)				3,900

10. DESCRIPTION OF PROPOSED CONSTRUCTION Construction of an aircraft maintenance facility designed and built using modern methods, materials and construction technology to provide a functional facility for assigned aircraft.

11. REQUIREMENT: 26,400 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: Provide a covered aircraft maintenance facility for newly assigned C-130 aircraft.

REQUIREMENT: A facility of adequate size and proper configuration is required to allow maintenance of newly assigned aircraft. Additionally, the facility must meet all OSHA and environmental health facility restrictions.

CURRENT SITUATION: Due to lack of covered facilities, maintenance work on new mission aircraft will have to be accomplished outdoors. During inclement weather (rain, high winds and freezing temperatures) repairs on the aircraft cannot be accomplished. No hangar currently exists to house the C-130 aircraft being transferred from March AFB.

IMPACT IF NOT PROVIDED: Dependence upon favorable weather will have a continuing degrading effect upon the operational readiness of the group.

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE MAINTENANCE HANGAR	5. PROJECT NUMBER TQKD 87-0109

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... APR 85

b. Percent Complete as of January 1, 19 86....... 35

c. Percent Complete as of October 1, 19 86....... 100

d. Date Design Complete........................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes___ No___

b. Where Design Was Most Recently Used___

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)

b. All Other Design Costs........................(0)

c. Total... 410

d. Contract......................................(410)

e. In-house......................................(0)

4. CONSTRUCTION START.............................. MAY 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION GREATER PITTSBURGH INTERNATIONAL AIRPORT, PENNSYLVANIA		4. AREA CONSTR COST INDEX 1.04

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Air National Guard - 4 miles
U.S. Army Guard - 11 miles
Navy Reserve - 5 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE		PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-873	ADAL	Aerial Port	4,600 SF	620	JUL 83	NOV 84

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

1 Jun 83
(Date)

Approved for unilateral construction

9. LAND ACQUISITION REQUIRED

None *(Number of Acres)*

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
841-427	Water Storage Tank	300 KG	750	89
219-944	CE Maintenance Complex	27,500	2,600	90
171-474	Indoor Small Arms Range (joint w/ANG)	10 FP	500	91

DD FORM 1 MAY 78 1390S/1 Page 1 of 2

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

GREATER PITTSBURGH INTERNATIONAL AIRPORT, PENNSYLVANIA

11. PERSONNEL STRENGTH AS OF 31 Mar 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	345	0	4	341	1,104	172	932
ACTUAL	345	0	4	341	1,103	157	946

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
911 Tactical Airlift Group	580	594
911 Civil Engineering Squadron	201	213
33 Aeromedical Evacuation Squadron	185	169
911 Mobile Aerial Port Squadron	138	127
Total	1,104	1,103

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130A	8	8

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

1 COMPONENT USAFR	FY 19~~8~~7 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION GREATER PITTSBURGH INTERNATIONAL AIRPORT, PENNSYLVANIA	4 PROJECT TITLE ADAL AERIAL PORT TRAINING FACILITY

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 171-873	7 PROJECT NUMBER JLSS 85-0010	8 PROJECT COST ($000) 620

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADAL AERIAL PORT TRAINING FACILITY	LS			466
ADDITION	SF	4,600	82.00	(377)
MODIFICATION TO EXISTING STRUCTURE	LS			(89)
SUPPORTING FACILITIES				67
ELECTRIC	LS			(7)
TRANSFORMER	KVA	25	145.00	(4)
STORM DRAINAGE	LS			(10)
SITE IMPROVEMENT	LS			(4)
FENCING	LF	140	17.70	(3)
ROADS, PARKING AND WALKS	LS			(37)
COMMUNICATIONS	LF	122	18.00	(2)
TOTAL COST				533
CONTINGENCY (10%)				53
TOTAL CONTRACT COST				586
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				32
TOTAL REQUEST				618
TOTAL REQUEST (ROUNDED)				620

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a 2,600 SF second-story addition and a 2,000 SF extension to the existing aerial port training facility. Construction consists of concrete block walls with brick facing, pre-engineered metal walls, concrete floor slabs, and built-up roof. Also included is the relocation of supporting utilities, modifications to the existing structure and additional parking.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 12,100 SF ADEQUATE: 7,500 SF SUBSTANDARD: 0 SF

PROJECT: Modify and expand the existing aerial port facility.

REQUIREMENT: An addition to the aerial port facility is required to provide increased administrative and classroom space. This requirement results from a doubling of the squadron's manning level. The addition will consist of office space, latrines, and packing and storage space.

CURRENT SITUATION: In FY-85/1, the unit's manning increased from 64 to 135 personnel. As such, the existing facility is inadequate to support their administrative and training needs. Unit training assemblies (UTAs) for the assigned personnel are adversely affected by the lack of space. A proportionate increase in all functional areas is required.

IMPACT IF NOT PROVIDED: An adequately sized facility is required so as not to inhibit the training programs and operational readiness of the aerial port function.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

U.S. GOVERNMENT PRINTING OFFICE [illegible] - 380-579/999

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

GREATER PITTSBURGH INTERNATIONAL AIRPORT, PENNSYLVANIA

4. PROJECT TITLE	5. PROJECT NUMBER
ADAL AERIAL PORT TRAINING FACILITY	JLSS 85-0010

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... JUL 83

b. Percent Complete as of January 1, 19 86 100

c. Percent Complete as of October 1, 19 86 100

d. Date Design Complete.......................... NOV 84

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e (\$000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs.........................(0)
c. Total... 61
d. Contract.......................................(61)
e. In-house.......................................(0)

4. CONSTRUCTION START.............................. APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
NONE			

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION
CARSWELL AIR FORCE BASE, TEXAS

4. AREA CONSTR COST INDEX
0.96

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Army Reserve - Oak Grove - 15 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-443	Composite Training	12,600 SF	1,500	MAR 84	OCT 85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

~~14 Dec 83~~
(Date)

Recommended for unilateral construction.

9. LAND ACQUISITION REQUIRED
None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
211-179	Fuel Systems Maintenance Hangar	11,000	1,700	89
141-753	Add to Squadron Operations	5,142	825	90
171-445	Alter Reserve Forces O&T	29,578	1,100	91
211-154	Organizational Maintenance Shop	4,008	550	91

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAFR		1 JAN 86

3. INSTALLATION AND LOCATION

CARSWELL AIR FORCE BASE, TEXAS

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	350	0	6	344	1,531	223	1,308
ACTUAL	337	0	6	331	1,616	208	1,408

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
301 Tactical Fighter Wing	1,033	1,102
301 Civil Engineering Squadron	141	151
73 Mobile Aerial Port Squadron	127	128
20 Medical Services Squadron	142	149
11 USAF Contingency Hospital	88	86
Total	1,531	1,616

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-4D	24	24

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION CARSWELL AIR FORCE BASE, TEXAS	4 PROJECT TITLE COMPOSITE TRAINING FACILITY

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 171-443	7 PROJECT NUMBER DDPF 86-9910	8 PROJECT COST ($000) 1,500

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPOSITE TRAINING FACILITY	SF	12,600	87.00	1,096
SUPPORTING FACILITIES				253
ELECTRIC	LS			(38)
WATER AND SANITARY SEWER	LS			(28)
GAS	LS			(14)
STORM DRAINAGE	LS			(21)
DEMOLITION	LS			(11)
SITE IMPROVEMENT	LS			(25)
SPECIAL FOUNDATION, FENCING	LS			(21)
PAVED PARKING, CONCRETE WALKS	LS			(78)
LANDSCAPING	LS			(17)
TOTAL COST				1,349
CONTINGENCY (5%)				67
TOTAL CONTRACT COST				1,416
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				78
TOTAL REQUEST				1,494
TOTAL REQUEST (ROUNDED)				1,500

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a single-story composite training facility which will consist of steel web joists, load bearing CMU with brick veneer (exterior walls), CMU (interior walls), reinforced concrete slab on grade, an acoustical lay-in panel type ceiling, and built-up roof over metal decking. Construction also includes all supporting utilities, and pavements.
Air Conditioning: 36 Tons.

11. REQUIREMENT: 12,600 SF ADEQUATE: 0 SF SUBSTANDARD: 10,599 SF

PROJECT: Construction of a composite training facility.

REQUIREMENT: A facility is needed to support the training requirements of the 301 Tactical Fighter Wing. This facility will provide the weapons systems security flight (WSSF), communications flight (Comm Flt), and civil engineering (CE) with sufficient area to accomplish administrative, academic and field training tasks. The required space includes office and administrative areas, administrative support space, classrooms, mobility equipment storage, training mock-up areas, and work areas.

CURRENT SITUATION: Adequate training facilities do not exist and thus adversely affect unit training assemblies (UTAs). The three functions are housed in four semi-permanent buildings which are poorly configured and grossly undersized. These facilities cannot adequately support the training and equipment storage requirements for the 233 assigned reservists. Buildings 1645 and 1647 are programmed for disposal while the vacated CE space in Bldg 1654 will alleviate an O&T space deficiency. Additionally, the vacated lean-to of Bldg 1602 will be upgraded for the engine I&R shop.

IMPACT IF NOT PROVIDED: Until this facility is constructed, UTAs for the WSSF, Comm Flt and CE will continue to be hampered. Reserve training and unit readiness will thus be adversely affected.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

U.S. GOVERNMENT PRINTING OFFICE 1983 - 380-979/999

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

CARSWELL AIR FORCE BASE, TEXAS

4. PROJECT TITLE COMPOSITE TRAINING FACILITY	5. PROJECT NUMBER DDPF 86-9910

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started............................ MAR 84

b. Percent Complete as of January 1, 19 86...... 100

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete........................... OCT 85

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 120
d. Contract......................................(120)
e. In-house......................................(0)

4. CONSTRUCTION START................................ NOV 86 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. AREA CONSTR COST INDEX 1.07

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Utah Army Depot - 15 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116-665	Power Check Pad w/Suppressor	LS	750	AUG 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

22 Apr 83
(Date)

Recommended for unila [illegible] construction

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
171-445	Add to Reserve Forces O&T	9,440	1,350	88
171-443	Composite Training (WSSF/ISS)	9,000	1,210	88

DD FORM 1 MAY 78 1390S/1

1 COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 JAN 86

3. INSTALLATION AND LOCATION

HILL AIR FORCE BASE, UTAH

11 PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	258	0	8	250	1,716	129	1,587
ACTUAL	267	0	8	259	1,653	120	1,533

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
419 Tactical Fighter Wing	977	916
419 Civil Engineering Squadron	117	142
405 Combat Logistics Support Squadron	370	354
67 Aerial Port Squadron	126	122
68 Aerial Port Squadron	126	119
Total	1,716	1,653

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-16A/B	24	24

14. Outstanding Pollution and Safety (OSHA) Deficiencies	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

NOT APPLICABLE RESERVE TENANT UNIT PROJECT

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	4. PROJECT TITLE Power Check Pad w/Suppressor

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 116-665	7 PROJECT NUMBER KRSM 87-0092	8 PROJECT COST ($000) 750

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HUSH HOUSE SUPPORT	LS			578
SUPPORTING FACILITIES				96
ELECTRIC	LF	400	50.00	(20)
TRANSFORMER	LS			(23)
COMMUNICATIONS SUPPORT	LF	475	12.60	(6)
WATER	LF	100	20.00	(2)
INDUSTRIAL WASTE DRAIN	LF	420	47.60	(20)
AIRCRAFT APRON	SY	1,000	23.00	(23)
OIL SEPARATOR	LS			(2)
TOTAL COST				674
CONTINGENCY (5%)				34
TOTAL CONTRACT COST				708
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				39
TOTAL REQUEST				747
TOTAL REQUEST (ROUNDED)				750

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a concrete pad for an aircraft sound suppressor (Hush House) to consist of reinforced concrete foundations, floor slab and the necessary utilities. An aircraft apron and taxiway of concrete pavement with asphalt shoulders are also included.

11. REQUIREMENT: 3 EA ADEQUATE: 2 EA SUBSTANDARD: 0 EA

PROJECT: Construction of a concrete pad on which will be erected an aircraft sound suppressor which will be installed at a later date.

REQUIREMENT: A concrete pad with the necessary pavements and utilities is required to support the installation of an aircraft sound suppressor. This equipment, to be procured and installed at a later date, will enable the 419 Tactical Fighter Wing to conduct suppressed operational checks of its F-16 aircraft engines. These functional checks include trimming parameters, assessing performance, and trouble shooting. The run-ups are conducted with both installed and uninstalled engines.

CURRENT SITUATION: The 419 TFW is joint using the host base hush house on a space available basis. Since the host has three active duty squadrons of F-16 aircraft the reserve unit continually experiences delays and scheduling problems with their required engine checks. To alleviate these maintenance complications, a hush house is programmed for procurement and installation in late FY-87.

IMPACT IF NOT PROVIDED: Until a hush house is installed the maintenance and operational functions of the 419 TFW will continue to be adversely affected. Additionally, the supporting pad and utilities must be constructed prior to equipment arrival.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

U.S. GOVERNMENT PRINTING OFFICE [illegible]

1 COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86
3 INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4 PROJECT TITLE Power Check Pad w/Suppressor		5 PROJECT NUMBER KRSM 87-0092

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... AUG 85

b. Percent Complete as of January 1, 19 86....... 35

c. Percent Complete as of October 1, 19 86....... 100

d. Date Design Complete.......................... SEP 86

2. BASIS

a. Standard or Definitive Design - Yes x No ___
b. Where Design Was Most Recently Used Hill AFB, UT

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 60
d. Contract......................................(60)
e. In-house......................................(0)

4. CONSTRUCTION START.............................. MAY 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Hush House	3080	FY87	1,800

1. COMPONENT USAFR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION GENERAL BILLY MITCHELL FIELD, WISCONSIN		4. AREA CONSTR COST INDEX 1.13

5. FREQUENCY AND TYPE UTILIZATION

Facility is used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Army National Guard - on base
Army National Guard - Oak Creek - 3 miles
Army, Navy and Marine Corps Reserve - Milwaukee - 5 miles
U.S. Coast Guard - Milwaukee - 5 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141-753	Squadron Operations	13,800 SF	1,565	MAY 84	OCT 85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

23 May 84
(Date)

Recommended for unilateral construction.

9. LAND ACQUISITION REQUIRED

None
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
171-445	Composite Training	12,650	1,750	88
214-426	Veh Ops Pkg/Roads & Gnds	10,600	1,400	90

1. COMPONENT USAFR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86

3. INSTALLATION AND LOCATION

GENERAL BILLY MITCHELL FIELD, WISCONSIN

11. PERSONNEL STRENGTH AS OF 1 Jul 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	334	0	4	330	1,090	142	948
ACTUAL	342	0	4	338	1,083	118	965

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
440 Tactical Airlift Wing	623	612
440 Civil Engineering Squadron	201	202
95 Mobile Aerial Port Squadron	127	131
34 Mobile Aerial Port Squadron	139	138
Total	1,090	1,083

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130A	8	8

14. Outstanding Pollution and Safety (OSHA) Deficiencies

	($000)
1. Air Pollution	0
2. Water Pollution	0
3. Safety and Occupational Health	0

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION GENERAL BILLY MITCHELL FIELD WISCONSIN	4 PROJECT TITLE SQUADRON OPERATIONS FACILITY

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 141-753	7 PROJECT NUMBER HTUX 86-0012	8 PROJECT COST ($000) 1,565

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SQUADRON OPERATIONS FACILITY	SF	13,800	85.00	1,173
SUPPORTING FACILITIES				240
ELECTRICAL	LS			(22)
WATER AND SANITARY SEWER	LS			(20)
HEAT	LS			(36)
STORM DRAINAGE	LS			(17)
DEMOLITION AND SITE IMPROVEMENT	LS			(56)
DRIVEWAY, PAVEMENTS, WALKS	LS			(49)
UNDERGROUND TUNNEL				(40)
TOTAL COST				1,413
CONTINGENCY (5%)				70
TOTAL CONTRACT COST				1,483
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				82
TOTAL REQUEST				1,565

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct two story squadron operations facility with load bearing masonry walls, framing, concrete foundations, floor slab and built-up roof. Work includes access road to building, side walk, parking, toilets, mechanical equipment room and necessary utilities. Air Conditioning: 40 Tons.

11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SF SUBSTANDARD: 7,360 SF

PROJECT: Construct squadron operations facility.

REQUIREMENT: A facility of adequate size and proper configuration is required by the 95 Tactical Airlift Squadron for mission planning, briefing, flight supervision and training.

CURRENT SITUATION: Squadron operations presently occupies a 28-year old hangar lean-to facility with base operations, passenger processing and wing standardization/evaluation. The area used by the 95 TAS is significantly undersized and improperly configured. As a result, the unit's administrative, operational and training functions are adversely affected. The vacated space will be utilized to resolve space deficiencies in other wing training and aircraft maintenance functions.

IMPACT IF NOT PROVIDED: The squadron operations function will continue to be hampered by inadequate space resulting in reduced effectiveness of their flying mission.

U.S. GOVERNMENT PRINTING OFFICE 1983 - 380-979/999

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION GENERAL BILLY MITCHELL FIELD, WISCONSIN		
4. PROJECT TITLE SQUADRON OPERATIONS FACILITY		5. PROJECT NUMBER HTUX 86-0012

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... MAY 84

b. Percent Complete as of January 1, 19 86...... 100

c. Percent Complete as of October 1, 19 86...... 100

d. Date Design Complete......................... OCT 85

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total.. 155
d. Contract......................................(155)
e. In-house......................................(0)

4. CONSTRUCTION START........................... APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION AFR 3		4. AREA CONSTR COST INDEX 0.99

5. FREQUENCY AND TYPE UTILIZATION

Facilities are used daily. Unit training assemblies are two days per month and 15 days of field training per year.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217-712	Alter Avionics Shop	7,580 SF	650	AUG 85	JAN 87
211-157	ADAL Misc Shops	LS	1,350	AUG 85	FEB 87
411-128	H-70 Service and Storage Facility	470 SF	250	OCT 85	SEP 86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

(Date)

To be presented after public announcement

9. LAND ACQUISITION REQUIRED

None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CAT CODE	PROJECT TITLE	SCOPE (SF)	($000) COST	YEAR
171-212	Flight Simulator	6,000	1,550	88
116-665	Hush House	LS	850	88
880-233	AFFF Fuel Sys Dock	LS	600	89

1 COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION AFR 3	4 PROJECT TITLE ALTER AVIONICS SHOP

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 217-712	7 PROJECT NUMBER UHHZ 87-0167	8 PROJECT COST ($000) 650

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AVIONICS SHOP	SF	7,580	79.00	530
SUPPORTING FACILITIES				30
SUBTOTAL				560
CONTINGENCY (10%)				56
TOTAL CONTRACT COST				616
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				34
TOTAL REQUEST				650
TOTAL REQUEST (ROUNDED)				650

10 DESCRIPTION OF PROPOSED CONSTRUCTION Alteration to consist of removing/adding walls, replacing the air conditioning system, and modifying doors, windows, and the electrical power, lighting, grounding and compressed air systems. The installation of an 8-foot ceiling, electronic door locks, seamless vinyl floor covering, accoustic wall/ceiling treatment, and a HALON fire protection system is also included.

Air Conditioning: 35 Tons

11. REQUIREMENT: 7,580 SF ADEQUATE: 0 SF SUBSTANDARD: 7,580 SF

PROJECT: Alter the existing avionics shop.

REQUIREMENT: The assigned reserve tactical fighter group will be converting to a new mission aircraft. A properly configured and environmentally controlled area is required to accommodate the avionics function. Requirements exist for an avionics intermediate shop (AIS), Type IV precision measurement equipment laboratory (PMEL) shop, three organizational level maintenance shops, nonautomatic test equipment (ATE) shop, offices and a vault. This alteration satisfies minimum facility requirements to accommodate the new equipment.

CURRENT SITUATION: The avionics function is currently located in a hangar lean-to which is improperly configured. Existing environmental controls, security measures, and utilities are inadequate to support the avionics equipment and test stations associated with the new mission aircraft.

IMPACT IF NOT PROVIDED: Without an adequate configuration and improved environmental controls the new avionics function cannot become operational. This alteration is vital to meet minimum equipment standards and ensure the operational readiness of the tactical fighter group.

DD FORM 1 DEC 76 1391

1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION AFR 3		
4. PROJECT TITLE ALTER AVIONICS SHOP		5. PROJECT NUMBER UHHZ 87-0167

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... AUG 85

b. Percent Complete as of January 1, 19 86...... 10

c. Percent Complete as of October 1, 19 86...... 65

d. Date Design Complete.......................... JAN 87

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ______

3. COST (Total) = c = a+b or d+e (\$000)

a. Production of Plans and Specifications.........(0)
b. All Other Design Costs.........................(0)
c. Total.. 52
d. Contract.......................................(52)
e. In-house.......................................(0)

4. CONSTRUCTION START.................................. APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
NONE			

1 COMPONENT USAFR	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 DATE 1 JAN 86

3 INSTALLATION AND LOCATION AFR 3	4 PROJECT TITLE ADAL MISCELLANEOUS SHOPS

5 PROGRAM ELEMENT 55394F	6 CATEGORY CODE 211-157	7 PROJECT NUMBER UHHZ 87-0168	8 PROJECT COST ($000) 1,350

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADAL MISCELLANEOUS SHOPS	SF	27,570		1,110
ALTER AIRCRAFT SHOP	SF	(3,900)	29.50	(115)
ADD TO NONDESTRUCTIVE INSPECTION SHOP	SF	(270)	66.00	(18)
ADD TO ENGINE SHOP	SF	(6,600)	66.00	(436)
ALTER ENGINE SHOP	SF	(8,600)	29.50	(254)
ADD TO INERT SPARE STORAGE	SF	(5,000)	35.00	(175)
ADD TO WAREHOUSE	SF	(3,200)	35.00	(112)
SUPPORTING FACILITIES				(111)
SUBTOTAL				1,221
CONTINGENCY (5%)				61
TOTAL CONTRACT COST				1,282
SUPERVISION, INSPECTION & OVERHEAD (5.5%)				71
TOTAL REQUEST				1,353
TOTAL REQUEST (ROUNDED)				1,350

10 DESCRIPTION OF PROPOSED CONSTRUCTION Construct a 30-foot addition to the engine I&R shop to include installing an overhead bridge crane, modifying utility systems, altering shops and relocating the adjacent driveway and walkways. Also, construct a fourth wall to the existing storage facility nearby. Alteration to the hangar and general purpose shops consist of additional electrical power outlets and grounds, wall relocations, and construction of a composite repair shop. Provide a 5,000 SF and 3,200 SF pre-engineered metal building for munitions storage and alternate mission equipment (AME) respectively and a 150-stall POV parking lot.

11. REQUIREMENT: 15,200 SF ADEQUATE: 0 SF SUBSTANDARD: 8,600 SF

PROJECT: Add to and alter the engine I&R shop, hangar and general purpose shops. Construct munitions storage and AME storage facilities.

REQUIREMENT: The assigned tactical fighter group will be converting to a new mission aircraft. An adequately sized and properly configured facility is required to perform engine maintenance, parts and bearing cleaning, and administrative tasks. Alterations to the existing hangar bay, wheel and tire, and egress shops and construction of a composite repair shop will satisfy particular aircraft maintenance requirements. Also, facilities are required to provide storage space for engines and modules, class 1.1 munitions, and AME.

CURRENT SITUATION: The existing AFRES facilities, especially the engine I&R shop are not adequate to support the special requirements associated with the new mission aircraft. Also, existing space is not available to support the additional storage requirements.

IMPACT IF NOT PROVIDED: If this work is not provided, the aircraft maintenance and munitions functions will be severely impaired thus affecting the operational readiness of the aircraft.

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1. COMPONENT USAFR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JAN 86
3. INSTALLATION AND LOCATION AFR 3		
4. PROJECT TITLE ADAL MISCELLANEOUS SHOPS		5. PROJECT NUMBER UHHZ 87-0168

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started.......................... AUG 85

b. Percent Complete as of January 1, 19 86...... 10

c. Percent Complete as of October 1, 19 86...... 65

d. Date Design Complete.......................... JAN 87

2. BASIS

a. Standard or Definitive Design - Yes ___ No X
b. Where Design Was Most Recently Used ___

3. COST (Total) = c = a+b or d+e ($000)

a. Production of Plans and Specifications........(0)
b. All Other Design Costs........................(0)
c. Total... 108
d. Contract......................................(108)
e. In-house......................................(0)

4. CONSTRUCTION START............................ APR 87 (month and year)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
NONE			

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - AIR FORCE RESERVE	4. PROJECT TITLE PROJECTS $400,000 AND UNDER

5. PROGRAM ELEMENT 55394F	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000) 2,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Following are individual justification paragraphs for all projects $400,000 and under.

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS $400,000 AND UNDER		5. PROJECT NUMBER

STATE AND LOCATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
CALIFORNIA		
Norton AFB SCEY850111A	180	ALTER RESERVE FORCES OPERATIONAL TRAINING FACILITY: Reconfigure interior of building 536 to provide an auditorium, three classrooms, and demolition of walls to allow installation of systems furniture. Since occupying this facility in 1972 the mission and manpower growth of the 445 Military Airlift Wing (Associate) has led to severe overcrowding and necessitated utilizing existing classrooms for administrative functions. Conversion to systems furniture will allow continued occupancy of this facility which cannot be enlarged due to siting constraints.
COLORADO		
Peterson AFB TDKA867000X1	200	ADD TO SECURITY POLICE FACILITY: Increases the scope (by 1,700 SF) of an FY87 HQ SPACECOM MCP. Add to and Alter Security Police Facility to provide sole-use space required by the 302 Weapons Systems Security Flight (WSSF). The HQ SPACECOM addition provides required joint use space (classrooms, armory, latrines, etc.) but the 302 WSSF does not have a permanent area for mobility storage or administrative functions (maintenance and storage of personnel training records, etc). Difficulty in controlling administrative files and mobility equipment degrades the effectiveness of training and negatively impacts the unit's ability to fully respond to its peacetime and wartime mission.

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS $400,000 AND UNDER		5. PROJECT NUMBER

STATE AND LOCATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
MARYLAND		
Andrews AFB AJXF850852	300	ALTER FIRE PROTECTION SYSTEM, HANGAR 10: Convert existing overhead fire protection system to an aqueous film forming foam (AFFF) system. Install underwing AFFF fire suppression system. Upgrade existing fire alarm and detection system in accordance with NFPA 409 and AFM 88-15, Chapter 13. Project is required to support the C-141B mission conversion.
Andrews AFB AJXF860852	160	ALTER FUEL SYSTEM DOCK: Modify existing hanger doors to enable accommodation of C-141B fuselage, provide aircraft tie-downs and jacking pads. Modify the existing water supply and drainage system for the installation of an aircraft washrack. Also, alter existing fuel ventilation system. Project is required to support the C-141B mission conversion.
Andrews AFB AJXF830711	110	ALTER BUILDING FOR MAPS: Project provides for alterations to building 3760. Work includes demolition, blocking of 38 windows, removal and construction of partitions, doors, accordion door, fan coil air conditioning and heating units, smoke and heat detectors, annunicator panel, emergency lights, electrial outlets, switches and wiring. Project will provide adequate administrative and training space for the 60 Mobile Aerial Port Squadron with proper fire protection and alarm systems.

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[illegible]

1. COMPONENT
USAFR

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
1 Jan 86

3. INSTALLATION AND LOCATION
VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE
PROJECTS $400,000 AND UNDER

5. PROJECT NUMBER

STATE AND LOCATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
OHIO		
Wright-Patterson ZHTV840306	200	ALTER 401 CLSS FACILITY: Project includes all necessary structural, electrical and mechanical modification to convert 3,000 SF of the second floor of Bldg 13 to administrative space. Space is not available to house the 401 Combat Logistics Support Squadron (CLSS) in one facility. Construction consists of partition walls, doors, suspended ceiling with recessed lighting, resilient flooring and insulation of walls and ceilings. Installation of a new heating, ventilation and air conditioning system sized to serve both the first and second floor admin areas and modifying HVAC ducting to the first floor is also required. Work also includes all associated electrical modifications, installation of required protection devices, and painting as required. Alteration will provide the necessary admin support space for the 401 CLSS. The capability of the squadron's mission will be severly impaired if adequate admin space is not provided. Inadequate admin space hampers the admin and functional efficiency of the 401 CLSS operation.
Youngstown MAP ZQEL850029	340	ADD TO/ALTER SQUADRON OPERATIONS: Construct a 2,636 SF one-story addition to the existing Squadron Operations facility. Project includes all structural, electrical, mechanical, fire protection systems and minimal alterations to the existing structure necessary to provide admin offices, storage room, locker room and latrines

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS $400,000 AND UNDER		5. PROJECT NUMBER

STATE AND LOCATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
		with shower room. The existing facility was constructed for the A-37 fighter aircraft mission and is insufficient for the increased crew members and support personnel required for the C-130 mission. Adequate space is not available on base. Inadequate space adversely affects the mission goals and functional efficiency of assigned personnel.
OREGON Portland IAP TQKD830126	380	ADD TO AND ALTER MEDICAL TRAINING FACILITY: Construct a 3,000 SF addition to the ANG 9,300 SF medical training facility as required to complete tie-in. Activation of the 939 Aerospace Rescue/Recovery Group on 1 Apr 85 more than doubled the number of military personnel requiring medical support, necessitating the concurrent activation of the 939 Medical Readiness Squadron. While the majority of the clinic will be joint-used by the ANG and Reserves, sole-use space is is required to maintain medical records, store accountable medical supplies and perform administrative functions. Additionally the number of examination rooms must be increased to accommodate the influx of additional military personnel.

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE PROJECTS $400,000 AND UNDER	5. PROJECT NUMBER

STATE AND LOCATION	COST ($000)	REQUIREMENT AND DESCRIPTION OF WORK
Portland IAP TQKD870760	400	ADD TO BASE WAREHOUSE: Increases the scope (by 10,000 SF) of an Oregon Air National Guard FY 87 MCP, Base Warehouse, to provide mobility storage required by the 939 Aerospace Rescue/Recovery Group. Activation of the 939 ARRG on 1 Apr 85 and conversion from 10 H-1 helicopters to six HC-130 fixed wing rescue aircraft, five H-3 helicopters and five H-1 helicopters has more than doubled the requirements for mobility and other storage. The ANG MCP merely replaces existing deficient facilities and does not provide for this increased requirement. Failure to provide adequate storage will seriously degrade the unit's ability to respond to peacetime emergencies and to fully meet its wartime readiness misison.
CLASSIFIED LOCATION AFR 3	250	H-70 SERVICE AND STORAGE FACILITY: Construct a 470 SF hydrazine servicing and storage facility and a 400 SF concrete curbed purge area. These facilities are required to support a new mission aircraft. The facility provides H-70 tank storage area, equipment room, a 1,000 gallon below ground monitored vaulted storage tank and all associated utilities/pavements. Construction also provides a 6" concrete curbed purge area on the ramp to contain a possible spill during removal of tanks from aircraft. There are no existing facilities on base for the handling and servicing of H-70 tanks. This facility is essential for the support of the new mission aircraft.

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1987

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE

PROGRAM 340: MINOR CONSTRUCTION, FY 1987 $2,580,000

PART I - PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for minor construction projects not otherwise authorized by law.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds required for Minor Construction, $2,580,000 will provide for smaller projects authorized for the Reserve Forces by 10 USC 2233 and 2233 (a).

1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - AIR FORCE RESERVE	4. PROJECT TITLE MINOR CONSTRUCTION (UNSPECIFIED

5. PROGRAM ELEMENT 55394F	6. CATEGORY CODE 020-000	7. PROJECT NUMBER 340	8. PROJECT COST ($000) 2,580

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Minor Construction (Unspecified)	LS			2,580

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost of $400,000 or less, including construction, alteration or conversion of permanant or temporary facilities, in accordance with 10 USC 2233 and 2233a.

11. REQUIREMENTS:

This package provides the means of accomplishing projects not exceeding $400,000 that are not now identified but which are anticipated to arise during FY 87.

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1. COMPONENT USAFR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Jan 86

3. INSTALLATION AND LOCATION Architectural & Engineering Services and Construction Design - Air Force Reserve	4. PROJECT TITLE Construction Design

5. PROGRAM ELEMENT 55394F	6. CATEGORY CODE 001-000	7. PROJECT NUMBER 310	8. PROJECT COST ($000) 6,560

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Construction Design - Air Force Reserve	LS			6,560

10. DESCRIPTION OF PROPOSED CONSTRUCTION

N/A

11. REQUIREMENT:

The funds for Architectural and Engineering Services and Construciton Design will provide for the completed design of facilities and evaluation of the design in terms of technical adequacy and estimated costs. In addition, these funds are required to prepare site surveys, develop master plan, working drawings, specifications, project planning reports and design required for those construction projects included in the Military Construction Program. The added emphasis being placed on the modernization of the weapon systems within the Air Force Reserve has generated numerous facility requirements requiring these Architectural and Engineering Services for Construction Design. It is vital that the Air Force Reserve be funded at the requested level to insure that operational readiness is not hampered because of inadequate facilities.